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COGENERATION TECHNOLOGY ALTERNATIVES STUDY (CTAS)

GENERAL ELECTRIC COMPANY
FINAL REPORT

VOLUME VI - COMPUTER DATA

PART 2 - Residual-Fired Nocogeneration Process Boiler

W.F. Knightly

May, 1980

PREPARED FOR
National Aeronautics Space Administration
Lewis Research Center
Under Contract DEN3-31

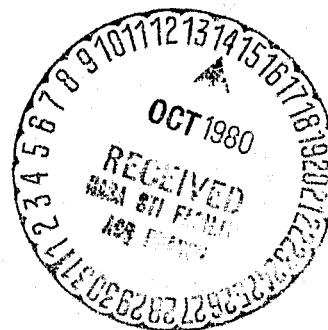
FOR

U.S. Department of Energy
Office of Energy Technology
Division of Fossil Fuel Utilization

(NASA-CR-159770-Pt-2) COGENERATION
TECHNOLOGY ALTERNATIVES STUDY (CTAS).
VOLUME 6: COMPUTER DATA. PART 2:
RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER
Final Report (General Electric Co.) 287 p G3/44

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RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

5.2 - SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

DATE 06/08/77
I&SE-PEQ-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 3.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

PAGE 1

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCOGEN	10101	0.	68.	82.	0.	0.	0.	10.	0.	0.38	0.25	0.	4.8	1.00	101.2	0	5.2	1.00 80
STM141	10101	0.	84.	1.	0.	-15.	81.	10.	10.	0.57	0.25	0.44	8.3	1.75	141.8	25	3.9	0.75 155
STM141	10101	0.	0.	84.	0.	68.	-2. F	10.	10.	1.08	0.25	0.44	16.2	3.39	275.2	10	4.3	0.82 145
STM141	10101	0.	0.	84.	0.	68.	-2. A	10.	10.	0.96	0.25	0.44	12.5	2.61	211.6	16	3.7	0.71 147
STM088	10101	0.	80.	20.	0.	-12.	62.	10.	8.	0.54	0.25	0.33	7.4	1.55	132.5	24	4.3	0.81 145
STM088	10101	0.	6.	94.	0.	62.	-12. F	10.	8.	1.02	0.25	0.33	14.9	3.13	266.6	9	4.6	0.89 134
STM088	10101	0.	6.	94.	0.	62.	-12. A	10.	8.	0.92	0.25	0.33	11.8	2.46	209.8	14	4.2	0.80 136
PFBSTM	10101	0.	0.	85.	0.	68.	-3.	10.	10.	1.59	0.25	0.44	20.8	4.36	351.2	5	5.3	1.01 157
PFBSTM	10101	0.	0.	106.	0.	81.	19.	10.	15.	1.45	0.25	0.48	19.9	4.17	304.3	8	4.4	0.85 147
TISTMT	10101	0.	122.	0.	0.	-54.	82.	10.	10.	1.27	0.25	0.19	29.6	6.20	499.5	0	8.0	1.53 136
TISTMT	10101	0.	77.	38.	0.	-9.	44.	10.	5.	1.01	0.25	0.23	20.5	4.28	381.1	0	6.6	1.25 125
TISTMT	10101	0.	0.	85.	0.	68.	-3.	10.	10.	1.96	0.25	0.44	41.4	8.67	698.9	0	7.9	1.50 164
TISTMT	10101	0.	0.	126.	0.	92.	38.	10.	20.	2.15	0.25	0.51	57.1	11.94	800.9	0	8.6	1.64 158
TIHRSG	10101	0.	74.	63.	0.	-6.	19.	10.	2.	0.84	0.25	0.08	17.5	3.67	345.5	0	8.7	1.28 100
TIHRSG	10101	0.	4.	101.	0.	64.	-18.	10.	8.	1.76	0.25	0.31	48.1	10.07	798.3	0	8.9	1.71 140
STIRL	10101	128.	0.	0.	-128.	68.	82.	10.	10.	0.77	0.25	0.15	11.1	2.33	173.1	0	6.5	1.24 136
STIRL	10101	80.	9.	31.	-80.	59.	51.	10.	6.	0.70	0.25	0.20	9.3	1.95	160.7	0	5.7	1.09 130
STIRL	10101	0.	128.	0.	0.	-60.	82.	10.	10.	0.77	0.25	0.15	11.1	2.33	173.3	0	5.7	1.08 132
STIRL	10101	0.	89.	31.	0.	-21.	51.	10.	6.	0.70	0.25	0.20	9.3	1.95	160.8	6	5.2	0.99 127
STIRL	10101	0.	0.	102.	0.	68.	-20.	10.	10.	1.44	0.25	0.32	21.9	4.58	340.5	4	5.5	1.05 143
STIRL	10101	0.	0.	179.	0.	100.	11.	10.	23.	1.43	0.25	0.38	28.1	5.87	323.2	6	5.0	0.95 127
HEGT85	10101	0.	0.	123.	0.	68.	-41. A	10.	10.	1.69	0.25	0.18	35.4	7.40	500.5	0	7.6	1.45 131
HEGT85	10101	0.	0.	531.	0.	193.	-30. A	10.	61.	3.34	0.25	0.24	91.7	19.19	482.4	0	12.8	2.45 116
HEGT60	10101	0.	0.	122.	0.	68.	-39. A	10.	10.	1.66	0.25	0.19	34.0	7.11	484.4	0	7.4	1.41 132
HEGT60	10101	0.	0.	278.	0.	117.	-31. A	10.	30.	2.12	0.25	0.24	55.1	11.54	476.1	0	9.1	1.73 118
HEGT00	10101	0.	0.	122.	0.	68.	-40. A	10.	10.	1.56	0.25	0.19	31.2	6.54	444.5	0	7.0	1.34 130
HEGT00	10101	0.	0.	154.	0.	78.	-39. A	10.	14.	1.41	0.25	0.20	33.4	6.99	419.9	0	6.9	1.31 119
FCMCCL	10101	0.	0.	211.	0.	68.	-129.	10.	10.	1.72	0.25	-0.40	29.8	6.24	483.1	0	8.6	1.64 65
FCMCCL	10101	0.	0.	289.	0.	107.	-77.	10.	26.	2.09	0.25	0.09	40.3	8.43	476.4	0	8.5	1.63 103
FCSTCL	10101	0.	0.	208.	0.	68.	-126.	10.	10.	1.73	0.25	-0.39	29.0	6.07	474.6	0	8.5	1.62 66
FCSTCL	10101	0.	0.	359.	0.	146.	-16.	10.	42.	2.65	0.25	0.27	50.3	10.52	478.2	0	8.4	1.61 110
IGGTST	10101	0.	0.	220.	0.	68.	-138.	10.	10.	1.61	0.25	-0.47	28.9	6.05	448.2	0	8.5	1.53 57
IGGTST	10101	0.	0.	335.	0.	116.	-93.	10.	29.	1.64	0.25	0.06	40.4	8.46	412.3	0	8.2	1.56 94
GTSOAR	10101	0.	118.	0.	0.	-50.	82.	10.	10.	0.71	0.25	0.22	10.6	2.22	166.2	5	5.3	1.00 140
GTSOAR	10101	0.	91.	24.	0.	-23.	58.	10.	7.	0.67	0.25	0.24	9.6	2.00	162.0	9	5.0	0.96 131
GTAC08	10101	0.	126.	0.	0.	-58.	82.	10.	10.	0.68	0.25	0.16	9.6	2.01	155.0	2	5.4	1.03 133
GTAC08	10101	0.	83.	35.	0.	-15.	47.	10.	6.	0.63	0.25	0.21	8.3	1.74	149.7	11	4.9	0.94 129
GTAC12	10101	0.	112.	0.	0.	-44.	82.	10.	10.	0.68	0.25	0.25	9.8	2.05	157.8	9	5.0	0.95 145
GTAC12	10101	0.	86.	24.	0.	-18.	58.	10.	7.	0.65	0.25	0.27	8.8	1.85	153.2	12	4.8	0.91 135
GTAC16	10101	0.	106.	0.	0.	-38.	82.	10.	10.	0.69	0.25	0.30	10.1	2.12	162.8	10	4.8	0.92 149
GTAC16	10101	0.	89.	17.	0.	-21.	65.	10.	8.	0.66	0.25	0.30	9.4	1.97	159.0	12	4.7	0.90 138
GTWC16	10101	0.	108.	0.	0.	-40.	82.	10.	10.	0.70	0.25	0.28	10.4	2.18	162.9	9	5.0	0.95 146
GTWC16	10101	0.	95.	13.	0.	-27.	69.	10.	8.	0.68	0.25	0.28	9.9	2.07	161.1	10	4.9	0.93 136

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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE								**NOCOGEN - COGEN**									
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVEL
								MW	MW		RATIO		*10**6			(%)	CHRG
																	ENRG
CC1626	10101	0.	100.	0.	0.	-32.	82.	10.	10.	0.80	0.25	0.33	10.7	2.23	168.8	9	4.9
CC1626	10101	0.	124.	0.	0.	-46.	116.	10.	14.	0.86	0.25	0.36	12.1	2.53	170.9	7	5.0
CC1622	10101	0.	98.	0.	0.	-30.	82.	10.	10.	0.79	0.25	0.35	10.4	2.17	164.0	10	4.8
CC1622	10101	0.	113.	0.	0.	-38.	104.	10.	13.	0.83	0.25	0.37	11.3	2.37	167.9	9	4.8
CC1222	10101	0.	98.	0.	0.	-30.	82.	10.	10.	0.78	0.25	0.35	10.1	2.11	160.2	11	4.7
CC1222	10101	0.	112.	0.	0.	-37.	104.	10.	13.	0.82	0.25	0.37	11.0	2.30	163.5	10	4.8
CC0822	10101	0.	94.	0.	0.	-26.	82.	10.	10.	0.78	0.25	0.37	10.2	2.14	164.9	12	4.6
CC0822	10101	0.	95.	0.	0.	-26.	83.	10.	10.	0.79	0.25	0.38	10.3	2.15	165.1	12	4.6
ST1015	10101	0.	132.	0.	0.	-64.	82.	10.	10.	0.81	0.25	0.12	10.7	2.23	146.1	0	5.8
ST1015	10101	0.	2846.	0.	0.	-2023.	2609.	10.	318.	5.91	0.25	0.17	97.7	20.44	112.4	0	42.2
ST1010	10101	0.	124.	0.	0.	-56.	82.	10.	10.	0.77	0.25	0.18	10.2	2.14	144.5	1	5.4
ST1010	10101	0.	279.	0.	0.	-164.	241.	10.	29.	1.09	0.25	0.22	16.0	3.35	137.8	0	7.3
ST1015	10101	0.	120.	0.	0.	-52.	82.	10.	10.	0.76	0.25	0.20	10.0	2.10	144.0	4	5.3
ST1015	10101	0.	178.	0.	0.	-90.	142.	10.	17.	0.89	0.25	0.23	12.2	2.56	142.6	0	6.0
DEADV3	10101	0.	110.	0.	0.	-42.	82.	10.	10.	0.82	0.25	0.27	13.3	2.78	198.5	3	5.4
DEADV3	10101	0.	159.	0.	0.	-73.	142.	10.	17.	0.94	0.25	0.30	16.6	3.48	205.4	0	6.0
DEHTPM	10101	0.	97.	0.	0.	-29.	82.	10.	10.	0.84	0.25	0.35	13.0	2.73	212.9	6	5.1
DEHTPM	10101	0.	88.	10.	0.	-20.	72.	10.	9.	0.82	0.25	0.34	12.5	2.62	210.6	7	5.0
DESOA3	10101	116.	0.	0.	-116.	68.	82.	10.	10.	0.84	0.25	0.23	13.9	2.91	203.3	0	6.4
DESOA3	10101	186.	0.	0.	-186.	92.	162.	10.	20.	1.08	0.25	0.27	21.3	4.47	239.9	0	8.2
DESOA3	10101	0.	116.	0.	0.	-48.	82.	10.	10.	0.84	0.25	0.23	13.9	2.91	203.3	0	5.7
DESOA3	10101	0.	186.	0.	0.	-94.	162.	10.	20.	1.08	0.25	0.27	21.3	4.47	239.9	0	7.0
GTSOAD	10101	117.	0.	0.	-117.	68.	82.	10.	10.	0.67	0.25	0.22	9.3	1.95	149.0	0	5.8
GTSOAD	10101	79.	8.	27.	-79.	60.	55.	10.	7.	0.64	0.25	0.24	8.4	1.76	146.2	2	5.3
GTRA08	10101	98.	0.	0.	-98.	68.	82.	10.	10.	0.72	0.25	0.34	11.0	2.30	173.8	2	5.4
GTRA08	10101	102.	0.	0.	-102.	70.	88.	10.	11.	0.73	0.25	0.35	11.3	2.36	174.9	2	5.4
GTRA12	10101	98.	0.	0.	-98.	60.	82.	10.	10.	0.72	0.25	0.35	11.0	2.30	174.1	3	5.4
GTRA12	10101	101.	0.	0.	-101.	69.	87.	10.	11.	0.72	0.25	0.36	11.2	2.34	175.1	2	5.4
GTRA16	10101	98.	0.	0.	-98.	68.	82.	10.	10.	0.72	0.25	0.35	11.3	2.37	180.0	2	5.4
GTRA16	10101	97.	0.	1.	-97.	68.	82.	10.	10.	0.72	0.25	0.35	11.3	2.37	179.8	2	5.4
GTR208	10101	107.	0.	0.	-107.	68.	82.	10.	10.	0.70	0.25	0.29	10.4	2.19	165.5	0	5.6
GTR208	10101	89.	4.	14.	-89.	64.	68.	10.	8.	0.68	0.25	0.29	9.8	2.06	163.0	2	5.4
GTR212	10101	103.	0.	0.	-103.	68.	82.	10.	10.	0.71	0.25	0.31	10.7	2.24	169.3	0	5.5
GTR212	10101	92.	3.	9.	-92.	65.	73.	10.	9.	0.69	0.25	0.31	10.3	2.16	167.5	2	5.4
GTR216	10101	101.	0.	0.	-101.	68.	82.	10.	10.	0.71	0.25	0.33	10.9	2.29	173.6	1	5.5
GTR216	10101	92.	2.	7.	-92.	66.	75.	10.	9.	0.70	0.25	0.32	10.6	2.21	171.9	2	5.4
GTRW08	10101	107.	0.	0.	-107.	68.	82.	10.	10.	0.72	0.25	0.29	11.1	2.32	168.8	0	5.7
GTRW08	10101	125.	0.	0.	-125.	75.	106.	10.	13.	0.76	0.25	0.31	12.2	2.54	170.9	0	6.0
GTRW12	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.72	0.25	0.31	11.1	2.32	170.7	0	5.6
GTRW12	10101	124.	0.	0.	-124.	76.	108.	10.	13.	0.77	0.25	0.33	12.3	2.57	173.4	0	5.9
GTRW16	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.73	0.25	0.31	11.4	2.38	175.3	0	5.6
GTRW16	10101	118.	0.	0.	-118.	74.	101.	10.	12.	0.76	0.25	0.33	12.3	2.57	177.8	0	5.8
GTR308	10101	110.	0.	0.	-110.	68.	82.	10.	10.	0.71	0.25	0.27	10.6	2.21	159.1	0	5.8
GTR308	10101	108.	1.	2.	-103.	68.	80.	10.	10.	0.71	0.25	0.27	10.5	2.20	159.0	0	5.7

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PAGE 3

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
EC3	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
GTR312	10101	103.	0.	0.	-103.	68.	82.	10.	10.	0.71	0.25	0.31	10.7	2.23	164.8	0	5.8	1.08 153	
GTR312	10101	109.	0.	0.	-109.	70.	89.	10.	11.	0.72	0.25	0.32	11.0	2.30	165.6	0	5.6	1.07 143	
GTR316	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.72	0.25	0.31	11.0	2.30	169.4	0	5.6	1.07 152	
GTR316	10101	108.	0.	0.	-108.	70.	88.	10.	11.	0.73	0.25	0.32	11.3	2.36	170.2	0	5.6	1.08 142	
FCPADS	10101	115.	0.	0.	-115.	68.	82.	10.	10.	1.53	0.25	0.23	11.7	2.45	171.3	0	6.9	1.32 148	
FCPADS	10101	218.	0.	0.	-218.	103.	199.	10.	24.	3.02	0.25	0.28	19.6	4.11	199.7	0	10.2	1.95 142	
FCMCDS	10101	104.	0.	0.	-104.	68.	82.	10.	10.	1.47	0.25	0.31	12.1	2.54	186.9	0	6.4	1.23 155	
FCMCDS	10101	159.	0.	0.	-159.	91.	157.	10.	19.	2.37	0.25	0.36	17.4	3.64	214.9	0	8.2	1.58 148	

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COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTN ENRG
ONOCGN	10102	0.	556.	246.	0.	0.	0.	30.	0.	0.74	0.25	0.	14.6	1.00	103.1	0	25.6	1.00 80
STM141	10102	0.	602.	3.	0.	-46.	243.	30.	30.	0.98	0.25	0.25	19.0	1.30	107.7	55	20.6	0.81 139
STM141	10102	0.	1.	604.	0.	555.	-358. F	30.	30.	2.01	0.25	0.25	34.5	2.37	195.9	30	16.0	0.63 122
STM141	10102	0.	1.	604.	0.	555.	-358. A	30.	30.	1.95	0.25	0.25	29.8	2.04	169.1	38	15.4	0.60 124
STH088	10102	0.	591.	61.	0.	-35.	185.	30.	23.	0.93	0.25	0.19	17.2	1.18	102.2	67	21.8	0.85 134
STH088	10102	0.	18.	634.	0.	538.	-388. F	30.	23.	1.89	0.25	0.19	32.1	2.21	191.5	29	17.3	0.68 116
STM088	10102	0.	18.	634.	0.	538.	-388. A	30.	23.	1.75	0.25	0.19	23.4	1.60	139.2	54	16.3	0.64 122
PFBSTM	10102	0.	0.	606.	0.	556.	-359.	30.	30.	3.12	0.25	0.25	42.4	2.91	239.1	20	17.9	0.70 131
PFBSTM	10102	0.	0.	669.	0.	594.	-296.	30.	45.	3.13	0.25	0.31	41.0	2.81	209.0	25	16.0	0.63 125
TISTMT	10102	0.	606.	0.	0.	-50.	246.	30.	30.	2.40	0.25	0.24	65.9	4.52	371.3	2	27.2	1.08 134
TISTMT	10102	0.	728.	0.	0.	-99.	490.	30.	60.	3.11	0.25	0.35	101.7	6.98	477.0	0	29.8	1.17 130
TISTNT	10102	0.	0.	606.	0.	556.	-359.	30.	30.	3.78	0.25	0.24	91.4	6.28	515.1	6	23.9	0.94 128
TISTMT	10102	0.	0.	728.	0.	629.	-238.	30.	60.	4.45	0.25	0.35	128.5	8.82	602.4	5	25.2	0.98 123
TIHRS0	10102	0.	627.	38.	0.	-71.	208.	30.	25.	2.52	0.25	0.17	84.9	5.83	470.5	0	30.8	1.21 115
TIHRS0	10102	0.	11.	654.	0.	545.	-407.	30.	25.	3.72	0.25	0.17	108.6	7.45	601.8	3	27.3	1.07 110
STIRL	10102	657.	0.	0.	-657.	556.	246.	30.	30.	1.43	0.25	0.18	28.9	1.98	149.8	0	27.9	1.09 140
STIRL	10102	887.	0.	0.	-887.	652.	569.	30.	69.	1.71	0.25	0.27	46.9	3.22	180.6	0	31.0	1.21 127
STIRL	10102	0.	657.	0.	0.	-102.	246.	30.	30.	1.43	0.25	0.18	28.9	1.98	149.9	14	23.6	0.92 135
STIRL	10102	0.	887.	0.	0.	-235.	569.	30.	69.	1.71	0.25	0.27	47.0	3.23	180.8	6	25.2	0.99 121
STIRL	10102	0.	0.	657.	0.	556.	-411.	30.	30.	2.85	0.25	0.18	54.2	3.72	281.6	14	19.7	0.77 121
STIRL	10102	0.	0.	887.	0.	652.	-318.	30.	69.	3.40	0.25	0.27	82.1	5.64	315.9	11	19.8	0.77 109
HEGT05	10102	0.	0.	722.	0.	556.	-476. A	30.	30.	3.34	0.25	0.10	75.4	5.18	356.6	7	23.7	0.93 111
HEGT05	10102	0.	0.	1941.	0.	930.	-442. A	30.	183.	7.47	0.25	0.20	199.4	13.69	350.7	0	33.6	1.32 85
HEGT60	10102	0.	0.	716.	0.	556.	-470. A	30.	30.	3.27	0.25	0.11	72.4	4.97	344.8	8	23.2	0.91 112
HEGT60	10102	0.	0.	1183.	0.	703.	-446. A	30.	90.	4.65	0.25	0.18	119.5	8.20	344.8	4	26.5	1.04 95
HEGT00	10102	0.	0.	719.	0.	556.	-472. A	30.	30.	3.13	0.25	0.10	67.1	4.61	318.9	9	22.5	0.80 112
HEGT00	10102	0.	0.	812.	0.	585.	-468. A	30.	42.	3.05	0.25	0.13	72.5	4.98	304.6	9	22.4	0.80 102
FCMCCL	10102	0.	0.	631.	0.	556.	-385.	30.	30.	3.52	0.25	0.21	64.3	4.42	348.0	10	21.3	0.83 125
FCMCCL	10102	0.	0.	864.	0.	671.	-232.	30.	77.	4.87	0.25	0.34	88.8	6.10	351.1	9	20.6	0.81 115
FCSTCL	10102	0.	0.	624.	0.	556.	-378.	30.	30.	3.43	0.25	0.22	62.3	4.28	340.6	11	20.9	0.82 126
FCSTCL	10102	0.	0.	1074.	0.	789.	-47.	30.	125.	6.12	0.25	0.41	111.0	7.62	352.8	9	19.0	0.74 109
IGGTST	10102	0.	0.	659.	0.	556.	-413.	30.	30.	2.85	0.25	0.18	60.0	4.12	310.6	12	20.6	0.81 121
IGGTST	10102	0.	0.	1001.	0.	699.	-277.	30.	88.	3.06	0.25	0.30	87.3	5.99	297.5	11	18.9	0.74 105
GTSCAR	10102	0.	652.	0.	0.	-96.	246.	30.	30.	1.21	0.25	0.19	22.9	1.57	119.8	25	22.6	0.88 140
GTSCAR	10102	0.	926.	0.	0.	-251.	646.	30.	79.	1.30	0.25	0.30	33.8	2.32	124.6	14	22.6	0.89 125
GTAC08	10102	0.	633.	0.	0.	-77.	246.	30.	30.	1.16	0.25	0.21	21.0	1.44	113.2	36	21.8	0.85 144
GTAC08	10102	0.	801.	0.	0.	-163.	520.	30.	63.	1.07	0.25	0.31	25.3	1.74	107.9	29	20.9	0.82 134
GTAC12	10102	0.	633.	0.	0.	-77.	246.	30.	30.	1.18	0.25	0.21	21.7	1.49	116.8	33	21.9	0.86 143
GTAC12	10102	0.	876.	0.	0.	-202.	643.	30.	78.	1.20	0.25	0.33	30.1	2.07	117.4	22	21.0	0.82 130
GTAC16	10102	0.	635.	0.	0.	-79.	246.	30.	30.	1.23	0.25	0.21	23.8	1.63	128.0	25	22.2	0.87 141
GTAC16	10102	0.	929.	0.	0.	-231.	722.	30.	88.	1.31	0.25	0.35	34.2	2.35	125.8	18	21.3	0.83 126
GTWC16	10102	0.	653.	0.	0.	-97.	246.	30.	30.	1.23	0.25	0.19	23.7	1.62	123.6	23	22.7	0.89 139
GTWC16	10102	0.	1015.	0.	0.	-303.	769.	30.	94.	1.30	0.25	0.31	33.0	2.27	111.1	15	22.6	0.88 123

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
CC1626	10102	0.	653.	0.	0.	-97.	246.	30.	30.	1.43	0.25	0.19	27.1	1.86	141.9	15	23.4	0.91 137
CC1626	10102	0.	1373.	0.	0.	-507.	1285.	30.	157.	1.89	0.25	0.36	48.3	3.31	120.0	9	23.7	0.93 110
CC1622	10102	0.	646.	0.	0.	-90.	246.	30.	30.	1.42	0.25	0.19	27.1	1.86	143.2	16	23.1	0.91 138
CC1622	10102	0.	1251.	0.	0.	-423.	1157.	30.	141.	1.86	0.25	0.37	49.1	3.37	133.9	10	23.1	0.90 113
CC1222	10102	0.	644.	0.	0.	-89.	246.	30.	30.	1.41	0.25	0.20	26.5	1.82	140.1	17	23.0	0.90 139
CC1222	10102	0.	1242.	0.	0.	-415.	1154.	30.	141.	1.82	0.25	0.37	46.3	3.18	127.3	11	22.5	0.88 114
CC0822	10102	0.	633.	0.	0.	-77.	246.	30.	30.	1.40	0.25	0.21	26.2	1.80	141.0	19	22.7	0.89 140
CC0822	10102	0.	1049.	0.	0.	-291.	925.	30.	113.	1.53	0.25	0.38	36.3	2.49	117.9	18	20.7	0.81 122
STIG15	10102	0.	747.	0.	0.	-191.	246.	30.	30.	1.59	0.25	0.07	27.5	1.89	125.8	0	26.2	1.03 125
STIG15	10102	0.	31538.	0.	0.	-22419.	20914.	30.	3522.	51.42	0.25	0.17	861.5	59.13	93.2	0	415.1	18.25 443
STIG10	10102	0.	723.	0.	0.	-167.	246.	30.	30.	1.49	0.25	0.10	26.5	1.82	125.0	6	25.3	0.99 129
STIG10	10102	0.	3094.	0.	0.	-1813.	2674.	30.	326.	4.83	0.25	0.22	94.6	6.49	104.3	0	50.2	1.97 101
STIG15	10102	0.	712.	0.	0.	-156.	246.	30.	30.	1.48	0.25	0.11	26.0	1.78	124.5	9	24.9	0.98 130
STIG15	10102	0.	1945.	0.	0.	-994.	1569.	30.	191.	3.08	0.25	0.23	55.2	3.79	96.9	0	35.8	1.40 100
DEADV3	10102	0.	683.	0.	0.	-127.	246.	30.	30.	1.60	0.25	0.15	35.9	2.46	179.3	6	25.3	0.99 129
DEADV3	10102	0.	1760.	0.	0.	-809.	1572.	30.	191.	3.82	0.25	0.30	125.1	8.58	242.5	0	38.4	1.50 104
DEHTPM	10102	0.	226.	0.	0.	-70.	246.	30.	30.	1.57	0.25	0.22	32.8	2.25	178.7	13	23.2	0.91 138
DEHTPM	10102	0.	947.	0.	0.	-226.	798.	30.	97.	2.38	0.25	0.38	60.4	4.76	250.3	6	24.0	0.97 121
DESOA3	10102	700.	0.	0.	0.	-700.	556.	30.	30.	1.73	0.25	0.15	40.8	2.80	199.0	0	31.0	1.21 130
DESOA3	10102	2061.	0.	0.	0.	-2061.	1017.	30.	218.	5.14	0.25	0.27	176.2	12.10	291.8	0	62.5	2.45 119
DESOA3	10102	0.	700.	0.	0.	-144.	246.	30.	30.	1.73	0.25	0.13	40.8	2.80	199.0	2	26.4	1.03 125
DESOA3	10102	0.	2061.	0.	0.	-1044.	1791.	30.	218.	5.14	0.25	0.27	176.2	12.10	291.8	0	49.0	1.92 105
GTSOAD	10102	640.	0.	0.	0.	-640.	556.	30.	30.	1.15	0.25	0.20	20.4	1.40	108.7	0	26.1	1.02 146
GTSOAD	10102	875.	0.	0.	0.	-875.	666.	30.	75.	1.10	0.25	0.32	26.3	1.80	102.5	0	26.8	1.05 137
GTRA08	10102	647.	0.	0.	0.	-647.	556.	30.	30.	1.34	0.25	0.19	28.0	1.92	147.8	0	27.4	1.07 141
GTRA08	10102	1134.	0.	0.	0.	-1134.	773.	30.	119.	1.62	0.25	0.35	45.0	3.09	135.4	0	30.4	1.19 124
GTRA12	10102	645.	0.	0.	0.	-645.	556.	30.	30.	1.35	0.25	0.20	28.3	1.94	149.6	0	27.3	1.07 141
GTRA12	10102	1115.	0.	0.	0.	-1115.	769.	30.	117.	1.63	0.25	0.36	45.7	3.14	139.9	0	30.2	1.18 124
GTRA16	10102	644.	0.	0.	0.	-644.	556.	30.	30.	1.29	0.25	0.20	26.1	1.79	138.2	0	27.0	1.08 143
GTRA16	10102	1075.	0.	0.	0.	-1075.	752.	30.	110.	1.64	0.25	0.35	46.1	3.17	146.4	0	30.1	1.18 125
GTR208	10102	645.	0.	0.	0.	-645.	556.	30.	30.	1.24	0.25	0.20	24.0	1.65	127.0	0	26.8	1.05 144
GTR208	10102	982.	0.	0.	0.	-982.	708.	30.	92.	1.39	0.25	0.33	36.8	2.52	127.7	0	28.8	1.13 129
GTR212	10102	646.	0.	0.	0.	-646.	556.	30.	30.	1.26	0.25	0.19	24.6	1.69	129.8	0	26.9	1.05 144
GTR212	10102	1022.	0.	0.	0.	-1022.	725.	30.	99.	1.46	0.25	0.33	39.5	2.71	131.9	0	29.4	1.15 127
GTR216	10102	643.	0.	0.	0.	-643.	556.	30.	30.	1.27	0.25	0.20	25.3	1.73	134.0	0	26.9	1.05 143
GTR216	10102	1024.	0.	0.	0.	-1024.	730.	30.	101.	1.53	0.25	0.34	42.2	2.90	140.6	0	29.4	1.15 127
GTRW08	10102	672.	0.	0.	0.	-672.	556.	30.	30.	1.35	0.25	0.16	27.9	1.92	141.8	0	20.3	1.11 138
GTRW08	10102	1385.	0.	0.	0.	-1385.	832.	30.	142.	1.70	0.25	0.31	47.1	3.23	116.0	0	35.3	1.38 118
GTRW12	10102	665.	0.	0.	0.	-665.	556.	30.	30.	1.34	0.25	0.17	27.9	1.92	143.5	0	28.0	1.10 139
GTRW12	10102	1370.	0.	0.	0.	-1370.	841.	30.	146.	1.72	0.25	0.33	47.7	3.27	118.8	0	34.2	1.34 118
GTRW16	10102	663.	0.	0.	0.	-663.	556.	30.	30.	1.36	0.25	0.17	28.5	1.95	146.5	0	28.0	1.10 139
GTRW16	10102	1306.	0.	0.	0.	-1306.	818.	30.	137.	1.70	0.25	0.33	47.5	3.26	124.0	0	33.6	1.32 119
GTR308	10102	679.	0.	0.	0.	-679.	556.	30.	30.	1.25	0.25	0.15	24.0	1.65	120.8	0	28.0	1.10 140
GTR308	10102	1193.	0.	0.	0.	-1193.	748.	30.	108.	1.42	0.25	0.27	36.9	2.54	105.6	0	33.4	1.31 122

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	G&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DIST'L	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER										
								MW	MW		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
											RATIO	*10**6							
GTR312	10102	662.	0.	0.	-662.	556.	246.	30.	30.	1.32	0.25	0.17	27.0	1.86	139.4	0	27.8	1.09	140
GTR312	10102	1205.	0.	0.	-1205.	779.	992.	30.	121.	1.53	0.25	0.32	41.1	2.82	116.4	0	32.1	1.26	122
GTR316	10102	663.	0.	0.	-663.	556.	246.	30.	30.	1.34	0.25	0.17	27.7	1.90	142.5	0	27.9	1.09	140
GTR316	10102	1198.	0.	0.	-1198.	774.	977.	30.	119.	1.56	0.25	0.32	42.3	2.90	120.5	0	32.3	1.26	122
FCPADS	10102	698.	0.	0.	-698.	556.	246.	30.	30.	4.02	0.25	0.13	34.1	2.34	166.8	0	32.5	1.27	135
FCPADS	10102	2412.	0.	0.	-2412.	1141.	2205.	30.	269.	28.02	0.25	0.28	154.0	10.57	217.9	0	86.2	3.37	142
FCMCDS	10102	663.	0.	0.	-663.	556.	246.	30.	30.	3.84	0.25	0.17	35.3	2.42	181.9	0	31.2	1.22	138
FCMCDS	10102	1760.	0.	0.	-1760.	1003.	1744.	30.	212.	21.00	0.25	0.36	132.4	9.09	256.7	0	64.0	2.51	134

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																				
COGENERATION CASE **MOCGEN - COGEN**																				
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH	
ONOCGM	20111	0.	33.	16.	0.	0.	0.	2.	0.	0.19	0.28	0.	1.6	1.00	189.2	0	0.7	1.00	80	
STM141	20111	0.	36.	0.	0.	-3.	16.	2.	2.	0.36	0.28	0.26	3.2	2.02	299.4	0	1.0	1.34	156	
STM141	20111	0.	37.	0.	0.	-3.	17.	2.	2.	0.29	0.28	0.28	3.0	1.93	280.5	0	0.9	1.23	145	
STM141	20111	0.	0.	36.	0.	33.	-20.	F	2.	2.	0.57	0.28	0.26	5.6	3.59	532.0	0	1.3	1.84	159
STM141	20111	0.	0.	37.	0.	33.	-19.	F	2.	2.	0.46	0.28	0.28	5.2	3.30	480.0	0	1.2	1.61	145
STM141	20111	0.	0.	36.	0.	33.	-20.	A	2.	2.	0.51	0.28	0.26	5.1	3.27	484.9	0	1.2	1.68	156
STM141	20111	0.	0.	37.	0.	33.	-19.	A	2.	2.	0.40	0.28	0.28	4.6	2.94	427.7	0	1.0	1.44	143
STM088	20111	0.	36.	2.	0.	-3.	14.	2.	2.	0.26	0.28	0.23	2.6	1.65	252.9	0	0.8	1.17	140	
STM088	20111	0.	1.	37.	0.	32.	-21.	F	2.	2.	0.44	0.28	0.23	4.7	3.01	459.7	0	1.1	1.55	139
STM088	20111	0.	1.	37.	0.	32.	-21.	A	2.	2.	0.38	0.28	0.23	4.3	2.75	420.4	0	1.0	1.41	137
PFBSTM	20111	0.	0.	36.	0.	33.	-20.		2.	2.	0.61	0.28	0.26	7.1	4.51	667.4	0	1.5	2.11	163
PFBSTM	20111	0.	0.	41.	0.	36.	-16.		2.	3.	0.47	0.28	0.33	6.8	4.36	571.9	0	1.3	1.84	152
TISTMT	20111	0.	36.	0.	0.	-3.	16.	2.	2.	0.53	0.28	0.26	8.7	5.54	818.2	0	1.7	2.39	167	
TISTMT	20111	0.	44.	0.	0.	-7.	32.	2.	4.	0.56	0.28	0.37	13.0	8.32	999.8	0	2.2	3.03	177	
TISTMT	20111	0.	0.	36.	0.	33.	-20.		2.	2.	0.79	0.28	0.26	12.2	7.80	1151.3	0	2.3	3.12	183
TISTMT	20111	0.	0.	44.	0.	38.	-12.		2.	4.	0.77	0.28	0.37	16.5	10.57	1270.2	0	2.7	3.65	191
TIHRSG	20111	0.	37.	4.	0.	-4.	12.	2.	1.	0.40	0.28	0.17	10.2	6.54	987.4	0	1.8	2.46	145	
TIHRSG	20111	0.	1.	39.	0.	32.	-23.		2.	1.	0.57	0.28	0.17	13.2	8.44	1275.0	0	2.2	3.02	157
STIRL	20111	38.	0.	0.	-38.	33.	16.		2.	2.	0.34	0.28	0.21	2.7	1.71	236.9	0	1.0	1.34	153
STIRL	20111	53.	0.	0.	-53.	40.	39.		2.	5.	0.28	0.23	0.32	3.3	2.09	210.4	0	1.0	1.35	143
STIRL	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.34	0.28	0.21	2.7	1.71	237.1	0	0.9	1.25	151
STIRL	20111	0.	53.	0.	0.	-13.	39.		2.	5.	0.28	0.28	0.32	3.3	2.09	210.7	0	0.9	1.23	140
STIRL	20111	0.	0.	38.	0.	33.	-23.		2.	2.	0.57	0.23	0.21	5.7	3.66	508.2	0	1.3	1.85	153
STIRL	20111	0.	0.	53.	0.	40.	-14.		2.	5.	0.45	0.28	0.32	5.8	3.74	376.6	0	1.2	1.61	140
HEGT85	20111	0.	0.	40.	0.	33.	-24.	A	2.	2.	0.62	0.28	0.19	10.8	6.91	929.3	0	2.0	2.71	164
HEGT85	20111	0.	0.	64.	0.	43.	-15.	A	2.	6.	0.65	0.28	0.31	17.8	11.37	950.8	0	2.7	3.60	174
HEGT60	20111	0.	0.	42.	0.	33.	-25.	A	2.	2.	0.62	0.28	0.13	10.6	6.79	856.3	0	2.0	2.69	157
HEGT60	20111	0.	0.	63.	0.	40.	-24.	A	2.	5.	0.59	0.28	0.20	15.2	9.70	820.3	0	2.4	3.26	157
HEGT00	20111	0.	0.	43.	0.	33.	-27.	A	2.	2.	0.55	0.28	0.12	9.5	6.08	757.3	0	1.8	2.43	150
HEGT00	20111	0.	0.	46.	0.	34.	-27.	A	2.	2.	0.42	0.28	0.14	9.6	6.13	707.5	0	1.6	2.26	137
FCMCCL	20111	0.	0.	38.	0.	33.	-22.		2.	2.	0.61	0.28	0.23	9.3	5.94	839.5	0	1.8	2.49	165
FCMCCL	20111	0.	0.	50.	0.	39.	-14.		2.	4.	0.54	0.28	0.34	11.7	7.50	793.8	0	1.9	2.66	162
FCSTCL	20111	0.	0.	37.	0.	33.	-21.		2.	2.	0.67	0.28	0.24	9.1	5.78	827.3	0	1.8	2.52	167
FCSTCL	20111	0.	0.	66.	0.	48.	-0.		2.	8.	0.73	0.28	0.42	15.2	9.70	790.3	0	2.4	3.32	173
IGGTST	20111	0.	0.	39.	0.	33.	-24.		2.	2.	0.73	0.28	0.19	9.5	6.07	822.4	0	2.0	2.69	156
IGGTST	20111	0.	0.	61.	0.	42.	-14.		2.	6.	0.71	0.28	0.31	13.2	8.45	738.0	0	2.3	3.11	164
GTSCAR	20111	0.	39.	0.	0.	-6.	16.		2.	2.	0.33	0.28	0.21	3.3	2.14	294.2	0	1.0	1.35	148
GTSCAR	20111	0.	53.	0.	0.	-14.	37.		2.	4.	0.26	0.28	0.31	4.0	2.56	259.4	0	1.0	1.33	137
GTAC08	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.22	2.9	1.88	264.4	0	0.9	1.26	150
GTAC08	20111	0.	47.	0.	0.	-10.	31.		2.	4.	0.23	0.28	0.31	3.1	2.01	227.1	0	0.8	1.15	141
GTACT2	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.23	3.0	1.89	266.6	0	0.9	1.26	150
GTACT2	20111	0.	51.	0.	0.	-11.	37.		2.	5.	0.25	0.28	0.34	3.5	2.21	232.0	0	0.9	1.20	141
GTACT6	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.23	3.0	1.95	274.5	0	0.9	1.28	150

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COGENERATION CASE **NOCOGEN - COGEN**								POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	MW	MW									
GTAC16	20111	0.	53.	0.	0.	-13.	42.	2.	5.	0.26	0.28	0.35	3.8	2.45	244.5	0	0.9	1.27 140
GTWC16	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.33	0.28	0.20	3.3	2.10	285.3	0	1.0	1.34 147
GTWC16	20111	0.	60.	0.	0.	-18.	45.	2.	5.	0.28	0.28	0.31	4.3	2.75	247.4	0	1.0	1.40 134
CC1626	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.40	0.28	0.20	3.4	2.18	297.3	0	1.1	1.47 149
CC1626	20111	0.	84.	0.	0.	-31.	81.	2.	10.	0.44	0.28	0.37	6.3	4.04	257.1	0	1.4	1.89 134
CC1622	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.39	0.28	0.21	3.2	2.06	284.4	0	1.0	1.43 151
CC1622	20111	0.	76.	0.	0.	-26.	73.	2.	9.	0.41	0.28	0.38	5.6	3.60	252.4	0	1.3	1.74 135
CC1222	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.39	0.28	0.21	3.1	2.01	277.8	0	1.0	1.41 151
CC1222	20111	0.	76.	0.	0.	-26.	73.	2.	9.	0.41	0.28	0.38	5.4	3.45	243.3	0	1.2	1.70 135
CC0822	20111	0.	38.	0.	0.	-5.	16.	2.	2.	0.39	0.28	0.22	3.3	2.09	294.4	0	1.0	1.42 152
CC0822	20111	0.	64.	0.	0.	-18.	59.	2.	7.	0.38	0.28	0.39	4.9	3.13	261.3	0	1.1	1.58 139
STIG15	20111	0.	45.	0.	0.	-12.	16.	2.	2.	0.35	0.28	0.07	3.5	2.23	262.4	0	1.1	1.46 133
STIG15	20111	0.	1846.	0.	0.	-1312.	1633.	2.	206.	2.64	0.28	0.17	65.0	41.49	120.1	0	13.7	18.63 508
STIG10	20111	0.	44.	0.	0.	-11.	16.	2.	2.	0.34	0.28	0.10	3.3	2.12	258.3	0	1.0	1.41 137
STIG10	20111	0.	181.	0.	0.	-106.	157.	2.	19.	0.50	0.28	0.22	8.9	5.70	168.0	0	2.0	2.75 122
STIG15	20111	0.	43.	0.	0.	-10.	16.	2.	2.	0.34	0.28	0.12	3.2	2.07	257.1	0	1.0	1.39 138
STIG15	20111	0.	114.	0.	0.	-58.	92.	2.	11.	0.39	0.28	0.23	6.1	3.93	184.3	0	1.5	2.00 116
DEADV3	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.38	0.28	0.20	4.4	2.82	385.1	0	1.1	1.57 140
DEADV3	20111	0.	72.	0.	0.	-25.	64.	2.	8.	0.40	0.28	0.36	7.1	4.52	335.1	0	1.4	1.93 137
DEHTPM	20111	0.	37.	0.	0.	-4.	16.	2.	2.	0.40	0.28	0.24	4.3	2.78	400.9	0	1.1	1.56 153
DEHTPM	20111	0.	55.	0.	0.	-12.	48.	2.	6.	0.38	0.28	0.40	6.0	3.82	374.1	0	1.2	1.70 146
DESOA3	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.35	0.28	0.19	3.3	2.11	284.1	0	1.1	1.48 149
DESOA3	20111	76.	0.	0.	-76.	48.	66.	2.	8.	0.40	0.28	0.33	7.2	4.57	322.0	0	1.6	2.16 139
DESOA3	20111	0.	40.	0.	0.	-7.	16.	2.	2.	0.35	0.28	0.19	3.3	2.11	284.1	0	1.0	1.38 147
DESOA3	20111	0.	76.	0.	0.	-28.	66.	2.	8.	0.40	0.28	0.33	7.2	4.57	322.0	0	1.4	1.98 135
GTSQAD	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.32	0.28	0.22	2.9	1.83	256.2	0	1.0	1.34 152
GTSQAD	20111	50.	0.	0.	-50.	39.	35.	2.	4.	0.24	0.28	0.32	3.2	2.03	214.9	0	0.9	1.28 143
GTRA08	20111	39.	0.	0.	-39.	33.	16.	2.	2.	0.33	0.28	0.21	3.5	2.25	311.5	0	1.1	1.47 150
GTRA08	20111	64.	0.	0.	-64.	45.	55.	2.	7.	0.30	0.28	0.36	5.2	3.34	279.7	0	1.2	1.68 139
GTRA12	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.4	2.19	304.3	0	1.1	1.45 151
GTRA12	20111	63.	0.	0.	-63.	44.	54.	2.	7.	0.30	0.28	0.36	5.1	3.28	278.4	0	1.2	1.66 140
GTRA16	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.5	2.26	314.1	0	1.1	1.47 151
GTRA16	20111	61.	0.	0.	-61.	44.	51.	2.	6.	0.30	0.28	0.36	5.2	3.34	292.6	0	1.2	1.67 141
GTR208	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.3	2.09	290.4	0	1.0	1.42 151
GTR208	20111	55.	0.	0.	-55.	41.	43.	2.	5.	0.27	0.28	0.34	4.2	2.89	256.3	0	1.1	1.40 141
GTR212	20111	39.	0.	0.	-39.	33.	16.	2.	2.	0.33	0.28	0.21	3.4	2.14	295.8	0	1.0	1.44 151
GTR212	20111	58.	0.	0.	-58.	42.	46.	2.	6.	0.28	0.28	0.34	4.5	2.90	265.2	0	1.1	1.55 140
GTR216	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.22	3.4	2.17	301.6	0	1.0	1.44 151
GTR216	20111	58.	0.	0.	-58.	42.	47.	2.	6.	0.29	0.28	0.35	4.7	3.01	275.3	0	1.1	1.57 141
GTRW08	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.16	3.6	2.30	304.7	0	1.1	1.51 147
GTRW08	20111	78.	0.	0.	-78.	48.	66.	2.	8.	0.34	0.28	0.31	5.9	3.78	258.9	0	1.4	1.92 133
GTRW12	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.19	3.6	2.29	308.0	0	1.1	1.50 148
GTRW12	20111	78.	0.	0.	-78.	49.	68.	2.	8.	0.34	0.28	0.33	6.0	3.84	264.4	0	1.4	1.91 134
GTRW16	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.19	3.7	2.35	316.5	0	1.1	1.52 148

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COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTRW16	20111	74.	0.	0.	-74.	47.	64.	2.	8.	0.34	0.28	0.33	6.0	3.86	277.2	0	1.4	1.90 136
GTR308	20111	41.	0.	0.	-41.	33.	16.	2.	2.	0.33	0.28	0.17	3.3	2.13	280.6	0	1.1	1.46 146
GTR308	20111	66.	0.	0.	-66.	43.	50.	2.	6.	0.29	0.28	0.28	4.6	2.96	238.1	0	1.2	1.66 134
GTR312	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.33	0.28	0.19	3.4	2.19	295.2	0	1.1	1.47 148
GTR312	20111	69.	0.	0.	-69.	45.	57.	2.	7.	0.31	0.28	0.32	5.1	3.26	251.9	0	1.3	1.72 135
GTR316	20111	40.	0.	0.	-40.	33.	15.	2.	2.	0.34	0.28	0.19	3.5	2.26	304.3	0	1.1	1.49 148
GTR316	20111	69.	0.	0.	-69.	45.	56.	2.	7.	0.31	0.28	0.32	5.3	3.39	263.7	0	1.3	1.78 136
FCPADS	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.32	0.28	0.19	3.0	1.92	258.7	0	1.0	1.38 149
FCPADS	20111	81.	0.	0.	-81.	50.	74.	2.	9.	0.46	0.28	0.35	6.0	3.80	249.6	0	1.5	2.06 138
FCMCDS	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.32	0.28	0.18	3.2	2.03	271.7	0	1.0	1.41 148
FCMCDS	20111	103.	0.	0.	-103.	59.	102.	2.	12.	0.59	0.28	0.36	8.8	5.60	290.4	0	2.0	2.71 144

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQLV	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN 20261	0.	16.	11.	0.	0.	0.	0.	1.	0.	0.14	0.41	0.	1.0	1.00	252.1	0	0.4	1.00 80
STM141 20261	0.	18.	3.	0.	-2.	8.	0.	1.	1.	0.22	0.41	0.24	1.9	1.96	380.5	0	0.6	1.29 141
STM141 20261	0.	1.	20.	0.	15.	-9.	F	1.	1.	0.34	0.41	0.24	3.0	3.19	617.6	0	0.8	1.72 143
STM141 20261	0.	1.	20.	0.	15.	-9.	A	1.	1.	0.29	0.41	0.24	2.9	3.05	591.4	0	0.7	1.59 140
STM088 20261	0.	17.	4.	0.	-1.	6.	0.	1.	1.	0.21	0.41	0.19	1.6	1.65	337.1	0	0.5	1.22 134
STM088 20261	0.	1.	20.	0.	15.	-10.	F	1.	1.	0.33	0.41	0.19	2.8	2.89	587.9	0	0.7	1.65 135
STM088 20261	0.	1.	20.	0.	15.	-10.	A	1.	1.	0.28	0.41	0.19	2.7	2.84	579.6	0	0.7	1.55 133
PFBSTM 20261	0.	0.	18.	0.	16.	-8.	0.	1.	1.	0.42	0.41	0.32	4.4	4.64	828.0	0	1.0	2.19 172
PFBSTM 20261	0.	0.	19.	0.	16.	-7.	0.	1.	1.	0.34	0.41	0.33	4.2	4.41	771.0	0	0.9	1.95 157
TISTMT 20261	0.	18.	0.	0.	-2.	11.	0.	1.	1.	0.40	0.41	0.32	6.2	6.53	1162.5	0	1.2	2.72 181
TISTMT 20261	0.	20.	0.	0.	-3.	15.	0.	1.	2.	0.37	0.41	0.37	7.4	7.74	1239.7	0	1.3	2.91 179
TISTMT 20261	0.	0.	18.	0.	16.	-8.	0.	1.	1.	0.59	0.41	0.32	8.4	6.70	1563.5	0	1.6	3.52 199
TISTMT 20261	0.	0.	20.	0.	17.	-6.	0.	1.	2.	0.51	0.41	0.37	9.4	9.82	1573.6	0	1.6	3.56 194
TIHRS0 20261	0.	18.	5.	0.	-2.	5.	0.	1.	1.	0.25	0.41	0.14	5.8	6.07	1221.6	0	1.0	2.33 136
TIHRS0 20261	0.	2.	21.	0.	15.	-11.	0.	1.	1.	0.37	0.41	0.14	7.5	7.83	1576.7	0	1.3	2.91 149
STIRL 20261	20.	0.	0.	-20.	16.	11.	0.	1.	1.	0.25	0.41	0.27	1.6	1.68	278.1	0	0.6	1.35 160
STIRL 20261	24.	0.	0.	-24.	18.	18.	0.	1.	2.	0.19	0.41	0.33	1.6	1.67	224.0	0	0.5	1.21 151
STIRL 20261	0.	20.	0.	0.	-4.	11.	0.	1.	1.	0.25	0.41	0.27	1.6	1.68	278.2	0	0.6	1.28 158
STIRL 20261	0.	24.	0.	0.	-6.	18.	0.	1.	2.	0.19	0.41	0.33	1.6	1.67	224.2	0	0.5	1.11 149
STIRL 20261	0.	0.	20.	0.	16.	-9.	0.	1.	1.	0.42	0.41	0.27	3.5	3.65	603.8	0	0.9	1.95 162
STIRL 20261	0.	0.	24.	0.	18.	-6.	0.	1.	2.	0.31	0.41	0.33	3.2	3.32	446.0	0	0.7	1.58 148
HEGT85 20261	0.	0.	20.	0.	16.	-10.	A	1.	1.	0.45	0.41	0.25	7.5	7.80	1256.3	0	1.4	3.02 179
HEGT85 20261	0.	0.	27.	0.	19.	-6.	A	1.	3.	0.35	0.41	0.32	9.8	10.22	1221.1	0	1.5	3.38 179
HEGT60 20261	0.	0.	22.	0.	16.	-12.	A	1.	1.	0.45	0.41	0.16	7.3	7.67	1113.1	0	1.3	3.01 168
HEGT60 20261	0.	0.	29.	0.	18.	-11.	A	1.	2.	0.37	0.41	0.20	8.8	9.19	1035.4	0	1.4	3.15 162
HEGT00 20261	0.	1.	23.	0.	16.	-12.	A	1.	1.	0.27	0.41	0.13	5.5	5.80	891.9	0	1.0	2.20 134
FCMCC 20261	0.	0.	19.	0.	16.	-9.	0.	1.	1.	0.44	0.41	0.28	6.2	6.50	1092.1	0	1.2	2.72 176
FCMCC 20261	0.	0.	23.	0.	18.	-6.	0.	1.	2.	0.35	0.41	0.34	6.8	7.13	1006.6	0	1.2	2.62 167
FCSTCL 20261	0.	0.	19.	0.	16.	-8.	0.	1.	1.	0.51	0.41	0.29	8.1	6.42	1096.8	0	1.3	2.84 181
FCSTCL 20261	0.	0.	30.	0.	22.	-0.	0.	1.	4.	0.48	0.41	0.42	8.8	9.22	1000.7	0	1.5	3.32 183
IGOTST 20261	0.	0.	21.	0.	16.	-10.	0.	1.	1.	0.56	0.41	0.24	6.6	6.88	1094.1	0	1.4	3.09 180
IGOTST 20261	0.	0.	28.	0.	19.	-7.	0.	1.	3.	0.50	0.41	0.31	8.0	8.33	970.2	0	1.4	3.23 175
OTSOAR 20261	0.	20.	0.	0.	-4.	11.	0.	1.	1.	0.24	0.41	0.25	2.2	2.33	377.6	0	0.6	1.42 154
OTSOAR 20261	0.	24.	0.	0.	-6.	17.	0.	1.	2.	0.18	0.41	0.31	2.3	2.46	331.6	0	0.6	1.29 143
OTAC09 20261	0.	20.	0.	0.	-3.	11.	0.	1.	1.	0.23	0.41	0.27	1.9	1.96	325.8	0	0.6	1.29 156
OTAC08 20261	0.	22.	0.	0.	-4.	14.	0.	1.	2.	0.16	0.41	0.31	1.8	1.89	285.6	0	0.5	1.12 145
OTAC12 20261	0.	19.	0.	0.	-3.	11.	0.	1.	1.	0.24	0.41	0.28	1.9	1.99	333.9	0	0.6	1.31 157
OTAC12 20261	0.	23.	0.	0.	-5.	17.	0.	1.	2.	0.17	0.41	0.34	2.0	2.05	287.1	0	0.5	1.16 147
OTAC16 20261	0.	19.	0.	0.	-3.	11.	0.	1.	1.	0.24	0.41	0.28	2.0	2.07	347.1	0	0.6	1.34 157
OTAC16 20261	0.	25.	0.	0.	-6.	19.	0.	1.	2.	0.18	0.41	0.35	2.2	2.26	300.6	0	0.5	1.22 147
OTWC16 20261	0.	20.	0.	0.	-4.	11.	0.	1.	1.	0.25	0.41	0.24	2.2	2.29	355.9	0	0.6	1.42 153
OTWC16 20261	0.	27.	0.	0.	-8.	21.	0.	1.	3.	0.19	0.41	0.31	2.5	2.62	313.5	0	0.6	1.35 142
CC1G26 20261	0.	20.	0.	0.	-4.	11.	0.	1.	1.	0.32	0.41	0.24	2.3	2.43	390.5	0	0.7	1.62 157

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GENERAL ELECTRIC COMPANY
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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
CC1626	20261	0.	38.	0.	0.	-14.	37.	1.	5.	0.31	0.41	0.37	3.7	3.84	325.9	0	0.8	1.90 144
CC1622	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.31	0.41	0.26	2.2	2.27	369.9	0	0.7	1.56 158
CC1622	20261	0.	35.	0.	0.	-12.	33.	1.	4.	0.30	0.41	0.38	3.2	3.35	312.4	0	0.8	1.73 146
CC1222	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.31	0.41	0.26	2.1	2.20	359.9	0	0.7	1.54 159
CC1222	20261	0.	35.	0.	0.	-12.	33.	1.	4.	0.29	0.41	0.38	3.1	3.21	301.2	0	0.8	1.69 146
CC0822	20261	0.	19.	0.	0.	-3.	11.	1.	1.	0.31	0.41	0.28	2.2	2.31	386.9	0	0.7	1.56 160
CC0822	20261	0.	29.	0.	0.	-8.	27.	1.	3.	0.28	0.41	0.39	2.9	2.99	332.3	0	0.7	1.60 150
ST1015	20261	0.	24.	0.	0.	-8.	11.	1.	1.	0.28	0.41	0.09	2.4	2.54	338.6	0	0.7	1.61 137
ST1015	20261	0.	846.	0.	0.	-601.	776.	1.	94.	1.38	0.41	0.17	29.4	30.76	118.6	0	6.4	14.38 397
ST1010	20261	0.	23.	0.	0.	-7.	11.	1.	1.	0.27	0.41	0.13	2.3	2.39	332.3	0	0.7	1.54 141
ST1010	20261	0.	83.	0.	0.	-49.	72.	1.	9.	0.33	0.41	0.22	5.1	5.37	211.0	0	1.1	2.57 123
ST101S	20261	0.	23.	0.	0.	-7.	11.	1.	1.	0.26	0.41	0.15	2.2	2.32	329.8	0	0.7	1.51 143
ST101S	20261	0.	52.	0.	0.	-27.	42.	1.	5.	0.26	0.41	0.23	3.6	3.74	233.8	0	0.9	1.90 124
DEADV3	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.29	0.41	0.26	3.1	3.22	525.7	0	0.8	1.72 157
DEADV3	20261	0.	31.	0.	0.	-10.	28.	1.	3.	0.27	0.41	0.37	4.2	4.38	459.0	0	0.8	1.69 149
DEHTPM	20261	0.	19.	0.	0.	-3.	11.	1.	1.	0.31	0.41	0.30	3.0	3.17	548.2	0	0.8	1.72 162
DEHTPM	20261	0.	25.	0.	0.	-6.	22.	1.	3.	0.27	0.41	0.40	3.7	3.85	502.1	0	0.9	1.74 156
DESOA3	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.27	0.41	0.24	2.0	2.13	341.0	0	0.7	1.50 156
DESOA3	20261	32.	0.	0.	-32.	21.	28.	1.	3.	0.24	0.41	0.35	3.2	3.31	335.3	0	0.8	1.74 145
DESOA3	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.27	0.41	0.24	2.0	2.13	341.0	0	0.6	1.43 154
DESOA3	20261	0.	32.	0.	0.	-11.	28.	1.	3.	0.24	0.41	0.35	3.2	3.31	335.3	0	0.7	1.61 143
GTSOAD	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.23	0.41	0.27	1.8	1.92	318.5	0	0.6	1.37 158
GTSOAD	20261	23.	0.	0.	-23.	18.	16.	1.	2.	0.17	0.41	0.32	1.8	1.91	260.7	0	0.5	1.22 148
GTRA08	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.26	0.41	0.26	2.4	2.51	411.0	0	0.7	1.55 157
GTRA08	20261	29.	0.	0.	-29.	20.	25.	1.	3.	0.21	0.41	0.36	3.1	3.19	356.9	0	0.7	1.61 147
GTRA12	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.3	2.41	397.0	0	0.7	1.53 157
GTRA12	20261	29.	0.	0.	-29.	20.	25.	1.	3.	0.20	0.41	0.36	3.0	3.09	348.7	0	0.7	1.57 148
GTRA16	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.4	2.50	410.8	0	0.7	1.55 157
GTRA16	20261	28.	0.	0.	-28.	20.	23.	1.	3.	0.20	0.41	0.36	3.0	3.14	366.8	0	0.7	1.59 148
GTR208	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.2	2.28	374.5	0	0.7	1.48 157
GTR208	20261	26.	0.	0.	-26.	19.	20.	1.	2.	0.19	0.41	0.34	2.4	2.55	324.5	0	0.6	1.41 147
GTR212	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.2	2.35	384.6	0	0.7	1.51 157
GTR212	20261	27.	0.	0.	-27.	19.	21.	1.	3.	0.19	0.41	0.34	2.6	2.75	334.9	0	0.7	1.47 147
GTR216	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.3	2.36	391.5	0	0.7	1.51 157
GTR216	20261	27.	0.	0.	-27.	19.	22.	1.	3.	0.20	0.41	0.35	2.7	2.83	345.0	0	0.7	1.49 148
GTRW08	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.22	2.5	2.58	399.3	0	0.7	1.61 152
GTRW08	20261	36.	0.	0.	-36.	22.	30.	1.	4.	0.23	0.41	0.31	3.5	3.64	332.3	0	0.8	1.83 141
GTRW12	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.5	2.58	405.1	0	0.7	1.60 154
GTRW12	20261	36.	0.	0.	-36.	22.	31.	1.	4.	0.23	0.41	0.33	3.5	3.70	339.3	0	0.8	1.83 143
GTRW16	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.5	2.65	417.4	0	0.7	1.62 154
GTRW16	20261	34.	0.	0.	-34.	22.	29.	1.	4.	0.23	0.41	0.33	3.6	3.72	356.1	0	0.8	1.82 144
GTR308	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.25	0.41	0.21	2.2	2.33	358.5	0	0.7	1.54 151
GTR308	20261	30.	0.	0.	-30.	20.	23.	1.	3.	0.20	0.41	0.28	2.7	2.81	301.2	0	0.7	1.56 141
GTR312	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.3	2.44	384.7	0	0.7	1.59 154

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTR312	20261	32.	0.	0.	-32.	21.	26.	1.	3.	0.21	0.41	0.32	3.0	3.14	322.7	0	0.7	1.64	143
GTR316	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.4	2.53	398.0	0	0.7	1.58	154
GTR316	20261	32.	0.	0.	-32.	21.	26.	1.	3.	0.21	0.41	0.32	3.1	3.27	338.4	0	0.8	1.68	143
FCPADS	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.23	0.41	0.23	1.8	1.93	312.7	0	0.8	1.37	156
FCPADS	20261	34.	0.	0.	-34.	22.	31.	1.	4.	0.23	0.41	0.36	2.7	2.83	274.8	0	0.7	1.58	145
FCMCDS	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.23	0.41	0.23	2.0	2.10	529.3	0	0.6	1.43	153
FCMCDS	20261	47.	0.	0.	-47.	27.	47.	1.	6.	0.31	0.41	0.36	4.2	4.43	306.0	0	1.0	2.20	143

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCOGEN	20461	0.	845.	234.	0.	0.	0.	29.	0.	1.00	0.15	0.	22.4	1.00	98.8	0	29.2	1.00 80
STM141	20461	0.	890.	0.	0.	-45.	234.	29.	29.	1.57	0.15	0.18	29.6	1.32	113.3	27	26.1	0.89 143
STM141	20461	0.	1008.	0.	0.	-91.	477.	29.	58.	1.29	0.15	0.28	28.1	1.25	95.0	47	24.0	0.82 138
STM141	20461	0.	0.	890.	0.	845.	-656.	F 29.	29.	3.04	0.15	0.18	51.9	2.31	199.0	20	21.1	0.72 127
STM141	20461	0.	0.	1008.	0.	918.	-532.	F 29.	58.	2.90	0.15	0.28	59.0	2.63	199.7	21	18.8	0.64 119
STM141	20461	0.	0.	890.	0.	845.	-656.	A 29.	29.	2.83	0.15	0.18	43.4	1.94	166.6	28	19.9	0.68 129
STM141	20461	0.	0.	1008.	0.	918.	-532.	A 29.	58.	2.57	0.15	0.28	41.8	1.86	141.4	37	16.6	0.57 123
STM088	20461	0.	890.	0.	0.	-45.	234.	29.	29.	1.44	0.15	0.18	24.9	1.11	95.5	64	25.5	0.87 146
STM088	20461	0.	959.	0.	0.	-72.	376.	29.	46.	1.23	0.15	0.24	25.8	1.15	91.8	64	24.4	0.84 139
STM088	20461	0.	0.	890.	0.	845.	-656.	F 29.	29.	2.98	0.15	0.18	51.1	2.28	196.0	21	20.9	0.72 127
STM088	20461	0.	0.	959.	0.	888.	-583.	F 29.	46.	2.73	0.15	0.24	55.5	2.47	197.4	21	19.5	0.67 119
STM088	20461	0.	0.	890.	0.	845.	-656.	A 29.	29.	2.80	0.15	0.18	42.0	1.87	161.1	30	19.8	0.68 130
STM088	20461	0.	0.	959.	0.	888.	-583.	A 29.	46.	2.49	0.15	0.24	40.5	1.80	144.1	37	17.6	0.60 123
PFBSTM	20461	0.	0.	891.	0.	845.	-657.	29.	29.	3.40	0.15	0.17	52.3	2.33	200.4	20	21.5	0.74 127
PFBSTM	20461	0.	0.	1118.	0.	982.	-427.	29.	84.	4.23	0.15	0.33	58.6	2.61	178.7	22	17.7	0.60 117
TISTMT	20461	0.	892.	0.	0.	-47.	234.	29.	29.	2.56	0.15	0.17	69.3	3.09	265.1	0	31.5	1.08 131
TISTMT	20461	0.	1220.	0.	0.	-179.	890.	29.	108.	4.45	0.15	0.37	150.9	6.73	422.0	0	37.9	1.30 121
TISTMT	20461	0.	0.	892.	0.	845.	-658.	29.	29.	4.09	0.15	0.17	95.5	4.25	365.0	7	26.9	0.92 123
TISTMT	20461	0.	0.	1220.	0.	1041.	-331.	29.	108.	6.28	0.15	0.37	189.7	8.45	530.4	4	31.6	1.08 114
TIHRS0	20461	0.	915.	0.	0.	-70.	234.	29.	29.	3.14	0.15	0.15	97.4	4.34	363.2	0	35.4	1.21 127
TIHRS0	20461	0.	971.	0.	0.	-98.	329.	29.	40.	3.46	0.15	0.19	119.8	5.34	420.7	0	37.7	1.29 120
TIHRS0	20461	0.	0.	915.	0.	845.	-681.	29.	29.	4.89	0.15	0.15	132.0	5.88	492.3	3	31.9	1.09 121
TIHRS0	20461	0.	0.	971.	0.	874.	-642.	29.	40.	5.05	0.15	0.19	152.7	6.80	536.4	2	33.3	1.14 114
STIRL	20461	940.	0.	0.	-940.	845.	234.	29.	29.	1.74	0.15	0.13	38.3	1.71	139.2	0	33.5	1.14 137
STIRL	20461	1457.	0.	0.	-1457.	1065.	969.	29.	118.	2.54	0.15	0.28	75.9	3.38	177.8	0	39.8	1.36 117
STIRL	20461	0.	940.	0.	0.	-95.	234.	29.	29.	1.74	0.15	0.13	38.4	1.71	139.3	9	28.4	0.97 133
STIRL	20461	0.	1457.	0.	0.	-392.	969.	29.	118.	2.55	0.15	0.28	76.0	3.39	178.1	0	31.9	1.09 110
STIRL	20461	0.	0.	940.	0.	845.	-706.	29.	29.	3.30	0.15	0.13	64.4	2.87	233.9	14	23.2	0.79 119
STIRL	20461	0.	0.	1457.	0.	1065.	-488.	29.	118.	5.05	0.15	0.28	134.1	5.98	314.1	7	25.9	0.89 99
HEGT85	20461	0.	0.	981.	0.	845.	-747.	A 29.	29.	3.61	0.15	0.09	81.5	3.63	283.5	9	26.1	0.89 114
HEGT85	20461	0.	0.	2424.	0.	1335.	-552.	A 29.	228.	8.43	0.15	0.24	233.6	10.41	328.7	1	37.1	1.27 86
HEGT50	20461	0.	0.	983.	0.	845.	-749.	A 29.	29.	3.58	0.15	0.09	79.3	3.53	275.2	9	25.9	0.88 114
HEGT50	20461	0.	0.	1734.	0.	1098.	-654.	A 29.	132.	5.89	0.15	0.20	156.6	6.98	308.2	4	31.3	1.07 89
HEGT00	20461	0.	0.	991.	0.	845.	-757.	A 29.	29.	3.55	0.15	0.08	76.3	3.40	262.7	10	25.6	0.88 113
HEGT00	20461	0.	0.	1271.	0.	936.	-733.	A 29.	66.	4.03	0.15	0.14	99.5	4.44	267.3	7	26.9	0.92 99
FCMCCL	20461	0.	0.	916.	0.	845.	-682.	29.	29.	3.85	0.15	0.15	75.2	3.35	280.0	10	25.0	0.85 121
FCMCCL	20461	0.	0.	1386.	0.	1078.	-372.	29.	123.	6.56	0.15	0.34	125.4	5.59	308.9	7	25.3	0.87 104
FCSTCL	20461	0.	0.	909.	0.	845.	-675.	29.	29.	3.74	0.15	0.16	72.3	3.22	271.1	11	24.4	0.84 122
FCSTCL	20461	0.	0.	1800.	0.	1310.	-11.	29.	218.	8.55	0.15	0.42	163.2	7.27	309.4	8	22.9	0.78 99
IGGTST	20461	0.	0.	940.	0.	845.	-706.	29.	29.	3.31	0.15	0.13	69.0	3.07	250.3	12	24.1	0.82 119
IGGTST	20461	0.	0.	1679.	0.	1158.	-396.	29.	156.	4.25	0.15	0.31	128.9	5.75	262.1	9	22.5	0.77 93
GTSOAR	20461	0.	931.	0.	0.	-86.	234.	29.	29.	1.52	0.15	0.14	32.2	1.43	118.0	17	27.3	0.93 137
GTSOAR	20461	0.	1449.	0.	0.	-371.	1011.	29.	123.	1.82	0.15	0.31	51.5	2.30	121.3	9	27.6	0.95 114

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC08	20461	0.	920.	0.	0.	-75.	234.	29.	29.	1.48	0.15	0.15	30.4	1.36	112.9	22	26.8	0.92 139
GTAC08	20461	0.	1296.	0.	0.	-269.	842.	29.	103.	1.50	0.15	0.31	39.2	1.75	103.3	18	25.5	0.87 123
GTAC12	20461	0.	917.	0.	0.	-72.	234.	29.	29.	1.49	0.15	0.15	31.0	1.38	115.5	21	26.8	0.92 139
GTAC12	20461	0.	1395.	0.	0.	-314.	1023.	29.	125.	1.68	0.15	0.34	46.2	2.06	113.1	15	25.4	0.87 118
GTAC16	20461	0.	917.	0.	0.	-72.	234.	29.	29.	1.50	0.15	0.15	31.8	1.42	118.4	20	26.9	0.92 138
GTAC16	20461	0.	1468.	0.	0.	-352.	1141.	29.	139.	1.93	0.15	0.35	55.7	2.48	129.5	11	26.2	0.90 114
GTWC16	20461	0.	938.	0.	0.	-92.	234.	29.	29.	1.51	0.15	0.13	31.7	1.41	115.5	17	27.4	0.94 137
GTWC16	20461	0.	1634.	0.	0.	-489.	1238.	29.	151.	1.80	0.15	0.31	49.6	2.21	103.6	9	27.6	0.95 111
CC1626	20461	0.	936.	0.	0.	-91.	234.	29.	29.	1.61	0.15	0.13	32.0	1.42	116.6	15	27.5	0.94 137
CC1626	20461	0.	2302.	0.	0.	-853.	2223.	29.	271.	2.76	0.15	0.37	78.3	3.49	116.1	4	29.6	1.01 104
CC1622	20461	0.	929.	0.	0.	-84.	234.	29.	29.	1.60	0.15	0.14	31.9	1.42	117.2	16	27.4	0.94 137
CC1622	20461	0.	2095.	0.	0.	-721.	2005.	29.	244.	2.71	0.15	0.38	79.2	3.53	129.0	6	28.7	0.98 105
CC1222	20461	0.	928.	0.	0.	-83.	234.	29.	29.	1.59	0.15	0.14	31.3	1.40	115.1	17	27.3	0.93 138
CC1222	20461	0.	2082.	0.	0.	-708.	2003.	29.	244.	2.63	0.15	0.30	74.2	3.31	121.7	7	27.8	0.95 105
CC0822	20461	0.	918.	0.	0.	-72.	234.	29.	29.	1.59	0.15	0.15	31.2	1.39	115.9	19	27.0	0.92 139
CC0822	20461	0.	1759.	0.	0.	-501.	1619.	29.	197.	2.26	0.15	0.39	61.2	2.73	118.7	11	25.4	0.87 110
STIG15	20461	0.	1027.	0.	0.	-181.	234.	29.	29.	1.79	0.15	0.05	35.4	1.58	117.6	0	30.2	1.03 126
STIG15	20461	0.	50692.	0.	0.	-36035.	46474.	29.	5661.	73.68	0.15	0.17	1371.1	61.10	92.3	0	577.1	19.75 531
STIG10	20461	0.	1004.	0.	0.	-159.	234.	29.	29.	1.71	0.15	0.07	34.4	1.53	117.0	3	29.4	1.01 129
STIG10	20461	0.	4974.	0.	0.	-2915.	4298.	29.	523.	6.80	0.15	0.22	145.3	6.48	99.7	0	66.1	2.26 107
STIG15	20461	0.	993.	0.	0.	-148.	234.	29.	29.	1.63	0.15	0.08	30.7	1.37	105.6	9	28.7	0.98 132
STIG15	20461	0.	3126.	0.	0.	-1598.	2522.	29.	307.	4.45	0.15	0.23	91.2	4.07	99.6	0	46.7	1.62 98
DEADV3	20461	0.	959.	0.	0.	-114.	234.	29.	29.	1.79	0.15	0.11	41.0	1.83	145.9	5	29.2	1.00 130
DEADV3	20461	0.	2594.	0.	0.	-1127.	2316.	29.	282.	5.36	0.15	0.31	102.6	8.14	240.2	0	48.3	1.65 104
DEHTPM	20461	0.	904.	0.	0.	-59.	234.	29.	29.	1.82	0.15	0.16	40.3	1.79	152.0	10	27.8	0.95 136
DEHTPM	20461	0.	1499.	0.	0.	-331.	1317.	29.	160.	3.45	0.15	0.40	107.7	4.80	245.1	3	30.7	1.05 112
DESQA3	20461	975.	0.	0.	0.	-975.	845.	29.	29.	1.91	0.15	0.10	45.7	2.03	159.8	0	35.4	1.21 132
DESQA3	20461	2995.	0.	0.	0.	-2995.	1552.	29.	317.	7.19	0.15	0.28	254.2	11.33	289.6	0	78.2	2.60 123
DESQA3	20461	0.	975.	0.	0.	-130.	234.	29.	29.	1.91	0.15	0.10	45.7	2.03	159.8	1	30.1	1.03 127
DESQA3	20461	0.	2995.	0.	0.	-1442.	2601.	29.	317.	7.19	0.15	0.28	254.2	11.33	289.6	0	62.0	2.12 109
QTSQAD	20461	922.	0.	0.	0.	-922.	845.	29.	29.	1.46	0.15	0.15	29.8	1.33	110.3	0	31.7	1.09 144
QTSQAD	20461	1384.	0.	0.	0.	-1384.	1066.	29.	118.	1.53	0.15	0.32	40.1	1.79	99.0	0	32.0	1.12 126
GIRA08	20461	927.	0.	0.	0.	-927.	845.	29.	29.	1.53	0.15	0.14	33.1	1.47	121.7	0	32.3	1.11 141
GTRA08	20461	1750.	0.	0.	0.	-1750.	1224.	29.	183.	2.35	0.15	0.36	71.0	3.17	138.5	0	37.8	1.29 116
GTRA12	20461	925.	0.	0.	0.	-925.	845.	29.	29.	1.54	0.15	0.14	33.3	1.48	122.7	0	32.3	1.10 141
GTRA12	20461	1730.	0.	0.	0.	-1730.	1220.	29.	182.	2.33	0.15	0.36	70.3	3.13	138.7	0	37.3	1.28 116
GTRA16	20461	925.	0.	0.	0.	-925.	845.	29.	29.	1.56	0.15	0.14	34.0	1.52	125.6	0	32.4	1.11 141
GTRA16	20461	1675.	0.	0.	0.	-1675.	1196.	29.	171.	2.35	0.15	0.36	71.3	3.18	145.2	0	37.4	1.28 116
GTR208	20461	926.	0.	0.	0.	-926.	845.	29.	29.	1.51	0.15	0.14	32.0	1.43	118.1	0	32.1	1.10 142
GTR208	20461	1538.	0.	0.	0.	-1538.	1129.	29.	144.	1.95	0.15	0.34	56.1	2.50	124.6	0	35.5	1.22 119
GTR212	20461	927.	0.	0.	0.	-927.	845.	29.	29.	1.52	0.15	0.14	32.6	1.45	119.9	0	32.3	1.10 141
GTR212	20461	1603.	0.	0.	0.	-1603.	1155.	29.	155.	2.07	0.15	0.34	60.7	2.71	129.3	0	36.4	1.24 118
GTR216	20461	924.	0.	0.	0.	-924.	845.	29.	29.	1.54	0.15	0.14	33.2	1.48	122.7	0	32.3	1.10 141
GTR216	20461	1605.	0.	0.	0.	-1605.	1164.	29.	158.	2.18	0.15	0.35	65.0	2.90	138.2	0	36.5	1.25 117

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE								**NOCOGEN - COGEN**										
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	OSM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVEL CHRG	NORM WIRTH ENRG
GTRW08	20461	952.	0.	0.	-952.	845.	234.	29.	29.	1.53	0.15	0.12	32.9	1.47	118.0	0	33.0	1.13 139
GTRW08	20461	2143.	0.	0.	-2143.	1316.	1810.	29.	220.	2.44	0.15	0.31	73.0	3.25	116.3	0	44.0	1.50 112
GTRW12	20461	945.	0.	0.	-945.	845.	234.	29.	29.	1.53	0.15	0.12	32.9	1.47	118.8	0	32.8	1.12 140
GTRW12	20461	2132.	0.	0.	-2132.	1333.	1868.	29.	227.	2.47	0.15	0.33	74.3	3.31	118.9	0	42.7	1.46 113
GTRW16	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.55	0.15	0.12	33.4	1.49	120.9	0	32.9	1.12 139
GTRW16	20461	2042.	0.	0.	-2042.	1299.	1754.	29.	214.	2.46	0.15	0.33	74.2	3.31	124.0	0	42.2	1.44 113
GTR308	20461	956.	0.	0.	-956.	845.	234.	29.	29.	1.52	0.15	0.11	32.1	1.43	114.5	0	33.0	1.13 139
GTR308	20461	1826.	0.	0.	-1826.	1102.	1362.	29.	166.	2.07	0.15	0.28	59.5	2.65	111.2	0	41.1	1.41 113
GTR312	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.51	0.15	0.13	32.1	1.43	116.1	0	32.7	1.12 140
GTR312	20461	1899.	0.	0.	-1899.	1242.	1563.	29.	190.	2.19	0.15	0.32	63.9	2.05	114.8	0	40.2	1.37 114
GTR316	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.53	0.15	0.12	32.7	1.46	118.3	0	32.8	1.12 140
GTR316	20461	1888.	0.	0.	-1888.	1235.	1540.	29.	188.	2.24	0.15	0.32	65.9	2.94	119.2	0	40.5	1.39 114
FCPADS	20461	980.	0.	0.	-980.	845.	234.	29.	29.	3.73	0.15	0.09	42.7	1.90	148.7	0	37.1	1.27 134
FCPADS	20461	3876.	0.	0.	-3876.	1834.	3545.	29.	432.	38.13	0.15	0.28	244.7	10.91	215.4	0	116.6	3.99 155
FCMCDS	20461	947.	0.	0.	-947.	845.	234.	29.	29.	3.59	0.15	0.12	43.9	1.96	158.2	0	36.1	1.23 136
FCMCDS	20461	2828.	0.	0.	-2828.	1613.	2804.	29.	342.	28.67	0.15	0.36	210.2	9.37	253.7	0	86.4	2.96 140

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH ENRG
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	MW	MW										
ONOCOGEN	20631	0.	289.	39.	0.	0.	0.	5.	0.	0.64	0.05	0.	12.3	1.00	118.1	0	5.3	1.00	80
STM141	20631	0.	297.	0.	0.	-7.	39.	5.	5.	0.89	0.05	0.10	11.7	0.96	107.1	999	5.2	0.98	143
STM141	20631	0.	384.	0.	0.	-41.	218.	5.	27.	0.87	0.05	0.31	16.3	1.33	120.4	7	5.1	0.97	121
STM141	20631	0.	0.	297.	0.	289.	-258.	F	5.	1.67	0.05	0.10	26.6	2.17	243.1	0	6.3	1.19	130
STM141	20631	0.	0.	384.	0.	343.	-166.	F	5.	1.53	0.05	0.31	29.2	2.38	216.4	4	5.6	1.05	111
STM141	20631	0.	0.	297.	0.	289.	-258.	A	5.	1.57	0.05	0.10	25.1	2.05	229.3	0	6.0	1.15	130
STM141	20631	0.	0.	384.	0.	343.	-166.	A	5.	1.27	0.05	0.31	21.3	1.73	157.5	11	4.4	0.84	112
STM080	20631	0.	297.	0.	0.	-7.	39.	5.	5.	0.89	0.05	0.10	11.5	0.94	105.3	999	5.2	0.98	143
SIM080	20631	0.	362.	0.	0.	-33.	172.	5.	21.	0.83	0.05	0.28	14.7	1.20	114.7	10	5.1	0.96	124
STM080	20631	0.	0.	297.	0.	289.	-258.	F	5.	1.68	0.05	0.10	26.6	2.17	243.0	0	6.3	1.20	130
STM080	20631	0.	0.	362.	0.	329.	-190.	F	5.	1.46	0.05	0.28	27.2	2.22	211.9	4	5.5	1.04	113
STM080	20631	0.	0.	297.	0.	289.	-258.	A	5.	1.58	0.05	0.10	25.0	2.04	228.5	0	6.0	1.15	130
SIM080	20631	0.	0.	362.	0.	329.	-190.	A	5.	1.23	0.05	0.28	20.3	1.66	158.0	11	4.5	0.86	114
PFBSTM	20631	0.	0.	297.	0.	289.	-258.	5.	5.	1.61	0.05	0.09	26.3	2.15	240.8	0	6.2	1.18	129
PFBSTM	20631	0.	0.	434.	0.	372.	-118.	5.	38.	1.86	0.05	0.37	34.3	2.84	232.4	2	6.0	1.14	111
TISTMT	20631	0.	297.	0.	0.	-8.	39.	5.	5.	1.13	0.05	0.09	22.2	1.82	203.3	0	6.6	1.24	134
TISTMT	20631	0.	437.	0.	0.	-64.	319.	5.	39.	2.48	0.05	0.37	72.4	5.91	480.9	0	12.6	2.38	133
TISTMT	20631	0.	0.	297.	0.	289.	-258.	5.	5.	1.87	0.05	0.09	36.1	2.35	329.8	0	7.5	1.43	130
TISTMT	20631	0.	0.	481.	0.	399.	-75.	5.	50.	3.50	0.05	0.40	105.9	8.64	648.2	0	14.9	2.83	144
TIHRSG	20631	0.	301.	0.	0.	-11.	39.	5.	5.	1.26	0.05	0.08	29.5	2.41	267.4	0	7.4	1.41	132
TIHRSG	20631	0.	348.	0.	0.	-35.	118.	5.	14.	1.97	0.05	0.19	57.8	4.72	464.6	0	11.0	2.08	127
TIHRSG	20631	0.	0.	301.	0.	289.	-262.	5.	5.	2.09	0.05	0.08	46.3	3.78	419.3	0	8.9	1.68	132
TIHRSG	20631	0.	0.	367.	0.	323.	-217.	5.	18.	2.79	0.05	0.22	85.1	6.94	654.3	0	13.3	2.52	132
STIRL	20631	305.	0.	0.	-305.	289.	39.	5.	5.	0.89	0.05	0.07	14.3	1.17	128.0	0	6.2	1.18	139
STIRL	20631	522.	0.	0.	-522.	381.	347.	5.	42.	1.44	0.05	0.28	31.4	2.56	178.9	0	8.8	1.68	115
STIRL	20631	0.	305.	0.	0.	-16.	39.	5.	5.	0.89	0.05	0.07	14.3	1.17	128.0	0	5.5	1.04	136
STIRL	20631	0.	522.	0.	0.	-141.	347.	5.	42.	1.44	0.05	0.28	31.4	2.56	179.2	0	7.6	1.45	109
STIRL	20631	0.	0.	305.	0.	289.	-266.	5.	5.	1.59	0.05	0.07	26.9	2.20	241.2	0	6.2	1.18	126
STIRL	20631	0.	0.	589.	0.	410.	-146.	5.	54.	2.43	0.05	0.31	62.4	5.09	320.0	0	9.3	1.77	109
HEGT65	20631	0.	0.	312.	0.	289.	-273.	A	5.	1.62	0.05	0.05	32.9	2.68	289.1	0	7.0	1.33	124
HEGT65	20631	0.	0.	1031.	0.	533.	-176.	A	5.	4.24	0.05	0.26	133.9	10.93	412.8	0	18.4	3.49	140
HEGT60	20631	0.	0.	312.	0.	289.	-273.	A	5.	1.62	0.05	0.05	32.5	2.65	285.4	0	7.0	1.32	124
HEGT60	20631	0.	0.	716.	0.	425.	-222.	A	5.	2.98	0.05	0.22	90.0	7.35	387.9	0	13.4	2.53	114
HEGT00	20631	0.	0.	313.	0.	289.	-275.	A	5.	1.63	0.05	0.04	32.0	2.61	280.0	0	6.9	1.32	123
HEGT00	20631	0.	0.	504.	0.	351.	-258.	A	5.	2.04	0.05	0.16	57.2	4.67	336.0	0	9.6	1.81	98
FCNCCL	20631	0.	0.	377.	0.	289.	-339.	5.	5.	1.69	0.05	-0.15	33.4	2.73	302.2	0	7.6	1.45	101
FCNCCL	20631	0.	0.	633.	0.	416.	-170.	5.	56.	2.81	0.05	0.28	70.9	5.79	382.3	0	11.1	2.10	113
FCSTCL	20631	0.	0.	376.	0.	289.	-338.	5.	5.	1.72	0.05	-0.15	32.5	2.65	294.4	0	7.5	1.43	102
FCSTCL	20631	0.	0.	822.	0.	522.	-5.	5.	100.	3.67	0.05	0.39	92.1	7.52	382.4	0	12.6	2.39	131
IGGTST	20631	0.	0.	381.	0.	289.	-343.	5.	5.	1.75	0.05	-0.16	31.6	2.58	282.8	0	7.5	1.42	100
IGGTST	20631	0.	0.	767.	0.	453.	-181.	5.	71.	2.60	0.05	0.26	71.5	5.83	318.0	0	10.7	2.04	108
GTSOAR	20631	0.	303.	0.	0.	-14.	39.	5.	5.	0.84	0.05	0.07	13.7	1.12	122.9	0	5.4	1.02	137
GTSOAR	20631	0.	519.	0.	0.	-133.	362.	5.	44.	1.16	0.05	0.31	23.5	1.92	134.5	0	6.4	1.21	111

DATE 06/03/77
 CASE-PEU-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC08	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.82	0.05	0.08	13.1	1.07	118.4	4	5.3	1.00 138
GTAC08	20631	0.	464.	0.	0.	-96.	301.	5.	37.	1.05	0.05	0.31	19.6	1.60	123.9	0	5.8	1.10 113
GTAC12	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.82	0.05	0.08	13.1	1.07	118.3	5	5.3	1.00 139
GTAC12	20631	0.	499.	0.	0.	-112.	367.	5.	45.	1.13	0.05	0.34	22.3	1.82	132.2	0	6.0	1.14 114
GTAC16	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.82	0.05	0.08	13.2	1.08	119.6	4	5.3	1.00 138
GTAC16	20631	0.	526.	0.	0.	-126.	409.	5.	50.	1.20	0.05	0.35	24.8	2.02	140.4	0	6.3	1.19 114
GTWC16	20631	0.	304.	0.	0.	-15.	39.	5.	5.	0.83	0.05	0.07	13.5	1.10	121.0	0	5.4	1.02 137
GTWC16	20631	0.	585.	0.	0.	-175.	443.	5.	54.	1.22	0.05	0.31	24.9	2.04	128.7	0	6.6	1.26 111
CC1626	20631	0.	304.	0.	0.	-15.	39.	5.	5.	0.89	0.05	0.07	13.4	1.09	120.1	0	5.4	1.03 138
CC1626	20631	0.	824.	0.	0.	-309.	796.	5.	97.	1.64	0.05	0.37	35.0	2.86	132.5	0	7.9	1.49 117
CC1622	20631	0.	303.	0.	0.	-14.	39.	5.	5.	0.89	0.05	0.08	13.1	1.07	118.2	0	5.4	1.02 138
CC1622	20631	0.	750.	0.	0.	-258.	718.	5.	87.	1.61	0.05	0.38	34.6	2.82	142.6	0	7.6	1.45 117
CC1222	20631	0.	303.	0.	0.	-14.	39.	5.	5.	0.88	0.05	0.08	13.0	1.06	117.0	0	5.4	1.02 139
CC1222	20631	0.	746.	0.	0.	-254.	717.	5.	87.	1.58	0.05	0.38	32.9	2.69	136.7	0	7.4	1.40 117
CC0822	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.89	0.05	0.08	13.2	1.08	119.2	0	5.4	1.02 139
CC0822	20631	0.	630.	0.	0.	-179.	580.	5.	71.	1.43	0.05	0.39	28.1	2.29	135.8	0	6.6	1.26 117
ST1615	20631	0.	319.	0.	0.	-30.	39.	5.	5.	0.91	0.05	0.03	16.3	1.33	140.2	0	5.9	1.11 129
ST1615	20631	0.	18154.	0.	0.	-12905.	16643.	5.	2027.	20.00	0.05	0.17	510.6	41.68	95.6	0	128.0	24.28 644
ST1610	20631	0.	315.	0.	0.	-26.	39.	5.	5.	0.83	0.05	0.04	13.1	1.07	113.8	0	5.4	1.03 134
ST1610	20631	0.	1781.	0.	0.	-1044.	1539.	5.	107.	2.56	0.05	0.22	56.7	4.63	104.2	0	14.9	2.82 125
ST1615	20631	0.	314.	0.	0.	-24.	39.	5.	5.	0.83	0.05	0.04	13.0	1.06	113.8	0	5.4	1.02 135
ST1615	20631	0.	1120.	0.	0.	-572.	903.	5.	110.	1.90	0.05	0.23	39.1	3.20	111.7	0	10.5	2.02 111
DEADV3	20631	0.	300.	0.	0.	-19.	39.	5.	5.	0.92	0.05	0.06	16.3	1.33	145.0	0	5.8	1.10 133
DEADV3	20631	0.	929.	0.	0.	-404.	829.	5.	101.	2.51	0.05	0.31	70.2	5.73	238.3	0	13.2	2.50 126
DEHTFM	20631	0.	299.	0.	0.	-10.	39.	5.	5.	0.95	0.05	0.09	16.2	1.32	147.4	0	5.7	1.09 136
DEHTFM	20631	0.	537.	0.	0.	-110.	472.	5.	57.	1.80	0.05	0.40	42.8	3.50	238.3	0	8.4	1.59 120
DESOA3	20631	311.	0.	0.	-311.	289.	39.	5.	5.	0.91	0.03	0.05	15.0	1.27	136.0	0	0.4	1.22 136
DESOA3	20631	1072.	0.	0.	-1072.	555.	932.	5.	113.	3.19	0.05	0.20	96.0	7.84	285.3	0	19.7	3.73 150
DESOA3	20631	0.	311.	0.	0.	-21.	39.	5.	5.	0.91	0.05	0.05	15.5	1.27	136.0	0	5.7	1.08 133
DESOA3	20631	0.	1072.	0.	0.	-517.	932.	5.	113.	3.19	0.05	0.20	96.0	7.84	285.2	0	17.2	3.26 139
QTSQAD	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.82	0.05	0.08	12.9	1.05	116.3	0	5.9	1.13 142
QTSQAD	20631	496.	0.	0.	-496.	382.	340.	5.	42.	1.07	0.05	0.32	20.0	1.63	119.1	0	6.9	1.31 119
QTRA08	20631	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.8	1.13	124.5	0	6.1	1.15 140
QTRA08	20631	627.	0.	0.	-627.	438.	538.	5.	66.	1.40	0.05	0.36	32.0	2.62	155.5	0	8.7	1.65 121
QTRA12	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.83	0.05	0.08	13.8	1.12	123.9	0	6.1	1.15 141
QTRA12	20631	620.	0.	0.	-620.	437.	534.	5.	65.	1.37	0.05	0.36	30.7	2.51	150.5	0	8.4	1.60 121
QTRA16	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.84	0.05	0.08	14.0	1.14	125.9	0	6.1	1.15 140
QTRA16	20631	600.	0.	0.	-600.	428.	504.	5.	61.	1.37	0.05	0.36	31.1	2.54	156.0	0	8.5	1.61 120
QTR208	20631	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.5	1.10	121.7	0	6.0	1.14 141
QTR208	20631	551.	0.	0.	-551.	404.	424.	5.	52.	1.22	0.05	0.34	25.2	2.06	137.0	0	7.7	1.46 118
QTR212	20631	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.6	1.11	122.8	0	6.1	1.15 141
QTR212	20631	574.	0.	0.	-574.	414.	456.	5.	56.	1.27	0.05	0.34	27.0	2.20	141.6	0	8.0	1.52 119
QTR216	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.83	0.05	0.08	13.7	1.12	123.8	0	6.1	1.15 141
QTR216	20631	575.	0.	0.	-575.	417.	460.	5.	57.	1.31	0.05	0.35	28.6	2.33	149.7	0	8.1	1.54 119

DATE 06/08/77
CASE-PEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTRW08	20631	307.	0.	0.	-307.	289.	39.	5.	5.	0.84	0.05	0.06	13.9	1.13	123.7	0	6.1	1.16 139
GTRW08	20631	767.	0.	0.	-767.	471.	648.	5.	79.	1.44	0.05	0.31	32.2	2.63	130.3	0	9.6	1.83 120
GTRW12	20631	306.	0.	0.	-306.	289.	39.	5.	5.	0.83	0.05	0.07	13.9	1.13	124.0	0	6.1	1.16 139
GTRW12	20631	764.	0.	0.	-764.	477.	669.	5.	81.	1.45	0.05	0.33	32.7	2.67	133.0	0	9.5	1.80 121
GTRW16	20631	306.	0.	0.	-306.	289.	39.	5.	5.	0.84	0.05	0.07	14.1	1.15	125.7	0	6.1	1.16 139
GTRW16	20631	731.	0.	0.	-731.	465.	628.	5.	77.	1.44	0.05	0.33	32.7	2.67	138.2	0	9.4	1.78 120
GTR308	20631	307.	0.	0.	-307.	289.	39.	5.	5.	0.83	0.05	0.06	13.6	1.11	120.6	0	6.1	1.16 139
GTR308	20631	654.	0.	0.	-654.	423.	488.	5.	59.	1.28	0.05	0.28	26.7	2.18	124.9	0	8.7	1.65 115
GTR312	20631	305.	0.	0.	-305.	289.	39.	5.	5.	0.83	0.05	0.07	13.6	1.11	122.0	0	6.1	1.15 140
GTR312	20631	680.	0.	0.	-680.	445.	560.	5.	68.	1.33	0.05	0.32	28.5	2.33	128.6	0	8.7	1.66 119
GTR316	20631	306.	0.	0.	-306.	289.	39.	5.	5.	0.84	0.05	0.07	13.8	1.13	123.7	0	6.1	1.16 140
GTR316	20631	676.	0.	0.	-676.	442.	552.	5.	67.	1.35	0.05	0.32	29.4	2.40	133.1	0	8.9	1.68 118
FCPADS	20631	311.	0.	0.	-311.	289.	39.	5.	5.	0.92	0.05	0.05	14.6	1.19	128.6	0	6.4	1.21 137
FCPADS	20631	1388.	0.	0.	-1388.	657.	1269.	5.	155.	7.61	0.05	0.28	93.2	7.61	217.1	0	25.1	4.76 176
FCMCDS	20631	306.	0.	0.	-306.	289.	39.	5.	5.	0.91	0.05	0.07	14.8	1.21	132.3	0	6.3	1.19 139
FCMCDS	20631	1013.	0.	0.	-1013.	578.	1004.	5.	122.	5.96	0.05	0.36	80.4	6.56	251.9	0	19.5	3.70 161

DATE 06/08/72
 RSE-FEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
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 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVEL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG
								MW	MW		RATIO		*10**6				ENRG
ONOCGN	20821	0.	116.	50.	0.	0.	0.	6.	0.	0.32	0.24	0.	3.5	1.00	119.3	0	4.7
STM141	20821	0.	125.	0.	0.	-9.	50.	6.	6.	0.61	0.24	0.24	6.9	1.96	188.7	10	4.4
STM141	20821	0.	132.	0.	0.	-12.	62.	6.	8.	0.49	0.24	0.28	6.6	1.87	172.0	15	4.1
STM141	20821	0.	0.	125.	0.	116.	-76.	6.	6.	1.07	0.24	0.24	13.6	3.84	370.1	7	4.3
STM141	20821	0.	0.	132.	0.	120.	-69.	6.	8.	0.86	0.24	0.28	12.3	3.49	319.8	11	3.8
STM141	20821	0.	0.	125.	0.	116.	-76.	6.	6.	0.98	0.24	0.24	11.6	3.29	316.6	10	4.0
STM141	20821	0.	0.	132.	0.	120.	-69.	6.	8.	0.75	0.24	0.28	9.9	2.79	255.6	17	3.4
STM088	20821	0.	125.	0.	0.	-9.	49.	6.	6.	0.46	0.24	0.24	5.9	1.66	160.0	18	4.1
STM088	20821	0.	0.	126.	0.	116.	-76.	6.	6.	0.82	0.24	0.24	11.4	3.21	309.6	12	3.8
STM088	20821	0.	0.	126.	0.	116.	-76.	6.	6.	0.72	0.24	0.24	9.3	2.63	253.4	17	3.5
PFBSTM	20821	0.	0.	126.	0.	116.	-76.	6.	6.	1.18	0.24	0.24	15.4	4.37	419.1	5	4.6
PFBSTM	20821	0.	0.	146.	0.	128.	-56.	6.	11.	1.06	0.24	0.33	15.3	4.34	358.8	9	4.0
TISTMT	20821	0.	126.	0.	0.	-10.	50.	6.	6.	0.95	0.24	0.24	19.9	5.61	538.1	0	6.1
TISTMT	20821	0.	159.	0.	0.	-23.	116.	6.	14.	1.17	0.24	0.37	33.1	9.36	709.5	0	7.3
TISTMT	20821	0.	0.	126.	0.	116.	-76.	6.	6.	1.47	0.24	0.24	28.3	7.99	765.8	0	6.3
TISTMT	20821	0.	0.	159.	0.	136.	-43.	6.	14.	1.54	0.24	0.37	42.0	11.88	900.4	0	7.2
TIHRSG	20821	0.	129.	7.	0.	-13.	43.	6.	5.	0.83	0.24	0.18	26.1	7.38	703.3	0	6.9
TIHRSG	20821	0.	2.	133.	0.	114.	-84.	6.	5.	1.27	0.24	0.18	33.7	9.52	906.5	0	6.9
STIRL	20821	132.	0.	0.	-132.	116.	50.	6.	6.	0.58	0.24	0.20	7.0	1.99	182.4	0	5.2
STIRL	20821	190.	0.	0.	-190.	144.	144.	6.	18.	0.58	0.24	0.34	10.9	3.07	195.6	0	5.6
STIRL	20821	0.	132.	0.	0.	-16.	50.	6.	6.	0.59	0.24	0.20	7.0	1.99	182.6	8	4.5
STIRL	20821	0.	190.	0.	0.	-46.	144.	6.	10.	0.58	0.24	0.34	10.9	3.08	195.8	6	4.5
STIRL	20821	0.	0.	132.	0.	116.	-82.	6.	6.	1.05	0.24	0.20	13.9	3.94	360.9	7	4.4
STIRL	20821	0.	0.	190.	0.	144.	-46.	6.	10.	1.02	0.24	0.34	13.4	5.20	331.2	9	3.9
HEGT05	20821	0.	0.	133.	0.	116.	-83.	6.	6.	1.21	0.24	0.20	24.2	6.85	622.1	0	5.7
HEGT05	20821	0.	0.	201.	0.	147.	-46.	6.	19.	1.44	0.24	0.34	40.0	11.29	679.5	0	6.6
HEGT60	20821	0.	0.	145.	0.	116.	-96.	6.	6.	1.22	0.24	0.12	24.0	6.80	565.3	0	5.8
HEGT60	20821	0.	0.	226.	0.	143.	-85.	6.	17.	1.41	0.24	0.20	37.2	10.53	561.4	0	6.9
HEGT00	20821	0.	0.	147.	0.	116.	-97.	6.	6.	1.14	0.24	0.11	22.2	6.27	515.1	0	5.6
HEGT00	20821	0.	0.	166.	0.	122.	-96.	6.	9.	0.99	0.24	0.14	23.6	6.67	485.3	1	5.5
FCMCCL	20821	0.	0.	131.	0.	116.	-81.	6.	6.	1.25	0.24	0.21	21.3	6.03	555.1	1	5.4
FCMCCL	20821	0.	0.	181.	0.	141.	-49.	6.	16.	1.41	0.24	0.34	28.9	8.16	544.7	1	5.6
FCSTCL	20821	0.	0.	130.	0.	116.	-80.	6.	6.	1.28	0.24	0.22	20.6	5.83	543.2	1	5.4
FCSTCL	20821	0.	0.	235.	0.	171.	-1.	6.	28.	1.86	0.24	0.42	37.4	10.58	543.6	2	5.9
IGGTST	20821	0.	0.	136.	0.	116.	-87.	6.	6.	1.27	0.24	0.18	20.8	5.88	521.9	0	5.5
IGGTST	20821	0.	0.	219.	0.	151.	-52.	6.	20.	1.32	0.24	0.31	30.7	8.68	478.3	2	5.6
GTSCAR	20821	0.	134.	0.	0.	-18.	50.	6.	6.	0.57	0.24	0.19	7.6	2.15	193.1	6	4.6
GTSCAR	20821	0.	189.	0.	0.	-49.	132.	6.	16.	0.50	0.24	0.31	9.9	2.79	178.3	6	4.6
GTAC08	20821	0.	132.	0.	0.	-16.	50.	6.	6.	0.54	0.24	0.20	6.9	1.94	177.7	10	4.4
GTAC08	20821	0.	169.	0.	0.	-35.	110.	6.	13.	0.45	0.24	0.31	7.9	2.24	159.6	12	4.2
GTACT2	20821	0.	131.	0.	0.	-15.	50.	6.	6.	0.55	0.24	0.21	6.9	1.96	180.4	10	4.4
GTACT2	20821	0.	182.	0.	0.	-41.	134.	6.	16.	0.48	0.24	0.34	9.0	2.53	168.0	10	4.2
GTACT6	20821	0.	131.	0.	0.	-15.	50.	6.	6.	0.55	0.24	0.21	7.2	2.02	186.0	9	4.5

GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC16	20821	0.	192.	0.	0.	-46.	149.	6.	18.	0.51	0.24	0.35	10.0	2.84	178.7	9	4.3	0.93 125
GTWC16	20821	0.	136.	0.	0.	-20.	50.	6.	6.	0.56	0.24	0.18	7.5	2.11	188.1	6	4.6	0.99 136
GTWC16	20821	0.	213.	0.	0.	-64.	162.	6.	20.	0.54	0.24	0.31	10.7	3.01	170.5	4	4.7	1.01 120
CC1626	20821	0.	135.	0.	0.	-19.	50.	6.	6.	0.65	0.24	0.18	7.7	2.17	193.6	3	4.7	1.02 136
CC1626	20821	0.	300.	0.	0.	-113.	290.	6.	35.	0.81	0.24	0.37	15.6	4.40	176.9	0	5.2	1.13 110
CC1622	20821	0.	134.	0.	0.	-18.	50.	6.	6.	0.64	0.24	0.19	7.4	2.09	188.4	5	4.7	1.00 138
CC1622	20821	0.	273.	0.	0.	-94.	262.	6.	32.	0.76	0.24	0.38	14.6	4.14	182.7	2	5.0	1.07 113
CC1222	20821	0.	134.	0.	0.	-18.	50.	6.	6.	0.64	0.24	0.19	7.2	2.04	184.4	5	4.6	0.99 138
CC1222	20821	0.	272.	0.	0.	-92.	261.	6.	32.	0.75	0.24	0.38	14.0	3.95	175.4	3	4.9	1.04 113
CC0822	20821	0.	131.	0.	0.	-15.	50.	6.	6.	0.64	0.24	0.21	7.4	2.08	191.4	6	4.6	0.99 139
CC0822	20821	0.	230.	0.	0.	-65.	211.	6.	26.	0.69	0.24	0.39	12.1	3.43	180.3	6	4.5	0.97 119
STIG15	20821	0.	154.	0.	0.	-38.	50.	6.	6.	0.62	0.24	0.07	7.7	2.17	170.0	0	5.1	1.11 124
STIG15	20821	0.	6615.	0.	0.	-4703.	6065.	6.	739.	10.73	0.24	0.17	196.6	55.57	101.4	0	78.6	16.90 460
STIG10	20821	0.	150.	0.	0.	-34.	50.	6.	6.	0.60	0.24	0.10	7.4	2.08	167.9	0	5.0	1.07 127
STIG10	20821	0.	649.	0.	0.	-380.	561.	6.	68.	1.27	0.24	0.22	22.7	6.42	119.4	0	9.8	2.10 104
STIG15	20821	0.	147.	0.	0.	-31.	50.	6.	6.	0.60	0.24	0.11	7.2	2.04	167.3	0	4.9	1.05 129
STIG15	20821	0.	408.	0.	0.	-209.	329.	6.	40.	0.92	0.24	0.23	15.4	4.36	129.1	0	7.2	1.54 101
DEADV3	20821	0.	132.	0.	0.	-16.	50.	6.	6.	0.64	0.24	0.20	9.4	2.66	242.6	2	4.8	1.03 135
DEADV3	20821	0.	231.	0.	0.	-68.	206.	6.	25.	0.77	0.24	0.37	17.5	4.94	258.7	0	5.3	1.13 118
DEHTFN	20821	0.	128.	0.	0.	-12.	50.	6.	6.	0.67	0.24	0.22	9.4	2.64	248.6	4	4.7	1.02 138
DEHTFN	20821	0.	196.	0.	0.	-43.	172.	6.	21.	0.74	0.24	0.40	15.0	4.25	262.1	4	4.8	1.02 124
DESOA3	20821	134.	0.	0.	-134.	116.	50.	6.	6.	0.63	0.24	0.19	8.0	2.50	225.7	0	5.5	1.18 139
DESOA3	20821	235.	0.	0.	-235.	162.	204.	6.	25.	0.87	0.24	0.36	21.3	6.01	308.6	0	7.2	1.54 124
DESOA3	20821	0.	134.	0.	0.	-10.	50.	6.	6.	0.63	0.24	0.19	8.8	2.50	225.7	3	4.8	1.03 135
DESOA3	20821	0.	235.	0.	0.	-73.	204.	6.	25.	0.87	0.24	0.36	21.3	6.01	308.6	0	5.9	1.27 117
GTSGAD	20821	132.	0.	0.	-132.	116.	50.	6.	6.	0.54	0.24	0.20	6.7	1.88	171.9	0	5.1	1.10 143
GTSGAD	20821	181.	0.	0.	-181.	139.	127.	6.	15.	0.45	0.24	0.32	8.0	2.27	151.8	0	5.2	1.11 134
GTRA05	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.19	7.9	2.23	202.1	0	5.3	1.15 140
GTRA08	20821	228.	0.	0.	-228.	160.	196.	6.	24.	0.60	0.24	0.36	13.0	3.66	193.8	0	6.0	1.28 124
GTRA12	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.20	7.8	2.21	201.0	0	5.3	1.14 141
GTRA12	20821	226.	0.	0.	-226.	159.	194.	6.	24.	0.60	0.24	0.36	13.1	3.69	197.3	0	5.9	1.28 125
GTRA16	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.58	0.24	0.20	8.1	2.28	207.5	0	5.3	1.15 140
GTRA16	20821	219.	0.	0.	-219.	156.	184.	6.	22.	0.60	0.24	0.36	13.3	3.75	207.0	0	6.0	1.28 125
GTR208	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.56	0.24	0.20	7.5	2.11	191.4	0	5.3	1.13 141
GTR208	20821	201.	0.	0.	-201.	147.	155.	6.	19.	0.53	0.24	0.34	10.5	2.98	179.3	0	5.6	1.20 129
GTR212	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.19	7.6	2.16	195.6	0	5.3	1.14 141
GTR212	20821	209.	0.	0.	-209.	151.	166.	6.	20.	0.55	0.24	0.34	11.4	3.22	186.0	0	5.7	1.24 127
GTR216	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.20	7.8	2.20	199.9	0	5.3	1.14 141
GTR216	20821	209.	0.	0.	-209.	152.	170.	6.	21.	0.57	0.24	0.35	12.0	3.39	195.6	0	5.8	1.24 127
GTRW08	20821	139.	0.	0.	-139.	116.	50.	6.	6.	0.58	0.24	0.16	8.0	2.26	197.1	0	5.5	1.16 137
GTRW08	20821	280.	0.	0.	-280.	172.	236.	6.	29.	0.66	0.24	0.31	14.4	4.06	175.2	0	6.9	1.49 118
GTRW12	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.58	0.24	0.17	8.0	2.26	199.0	0	5.5	1.17 138
GTRW12	20821	278.	0.	0.	-278.	174.	244.	6.	30.	0.66	0.24	0.33	14.6	4.13	179.1	0	6.8	1.46 119
GTRW16	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.58	0.24	0.17	8.2	2.32	204.2	0	5.5	1.18 138

DATE 06/08/77
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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

21

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTRW16	20821	267.	0.	0.	-267.	170.	229.	6.	28.	0.66	0.24	0.33	14.6	4.13	187.2	0	6.7	1.44 120
GTR308	20821	139.	0.	0.	-139.	116.	50.	6.	6.	0.57	0.24	0.16	7.6	2.14	185.4	0	5.5	1.18 137
GTR308	20821	238.	0.	0.	-238.	154.	178.	6.	22.	0.57	0.24	0.28	11.5	3.25	164.6	0	6.4	1.38 122
GTR312	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.57	0.24	0.17	7.7	2.17	191.7	0	5.4	1.16 139
GTR312	20821	248.	0.	0.	-248.	162.	204.	6.	25.	0.60	0.24	0.32	12.5	3.52	171.5	0	6.3	1.36 121
GTR316	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.58	0.24	0.17	7.9	2.24	197.2	0	5.4	1.17 133
GTR316	20821	246.	0.	0.	-246.	151.	201.	5.	24.	0.61	0.24	0.32	12.9	3.65	178.9	0	6.4	1.38 121
FCPADS	20021	133.	0.	0.	-133.	116.	50.	6.	6.	0.92	0.24	0.20	7.6	2.15	195.4	0	5.6	1.21 143
FCPADS	20021	240.	0.	0.	-240.	167.	219.	6.	27.	2.52	0.24	0.38	16.7	4.71	237.1	0	8.2	1.76 133
FCMCDS	20021	137.	0.	0.	-137.	116.	50.	6.	6.	0.91	0.24	0.17	8.2	2.32	203.4	0	5.0	1.25 139
FCMCDS	20021	369.	0.	0.	-369.	210.	366.	6.	45.	3.91	0.24	0.36	29.3	6.27	270.6	0	12.0	2.58 136

DATE 06/08/79
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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

AGE 22

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI! LEVL	NORM WPTH	
													*10**6		(%)	CHRG	ENRG	
ONOCOEN	22601	0.	201.	51.	0.	0.	0.	6.	0.	0.41	0.13	0.	5.2	1.00	96.2	0	6.7 1.00 80	
STM141	22601	0.	211.	0.	0.	-10.	51.	6.	6.	0.76	0.13	0.16	9.1	1.74	148.0	7	8.5 0.98 137	
STM141	22601	0.	226.	0.	0.	-16.	82.	6.	10.	0.60	0.13	0.23	8.8	1.68	132.6	14	6.1 0.92 131	
STM141	22601	0.	0.	211.	0.	201.	-160.	F	6.	6.	1.40	0.13	0.16	19.3	3.69	313.2	7	6.2 0.94 124
STM141	22601	0.	0.	226.	0.	210.	-144.	F	6.	10.	1.11	0.13	0.23	17.4	3.31	262.3	12	5.4 0.81 117
STM141	22601	0.	0.	211.	0.	201.	-160.	A	6.	6.	1.29	0.13	0.16	16.7	3.19	270.4	10	5.9 0.88 124
STM141	22601	0.	0.	226.	0.	210.	-144.	A	6.	10.	0.97	0.13	0.23	13.2	2.52	199.1	18	4.8 0.72 119
STM088	22601	0.	211.	0.	0.	-10.	51.	6.	6.	0.72	0.13	0.16	8.4	1.61	136.7	10	6.4 0.96 138	
STM088	22601	0.	215.	0.	0.	-11.	60.	6.	7.	0.57	0.13	0.18	7.8	1.49	123.6	17	6.1 0.92 131	
STM088	22601	0.	0.	211.	0.	201.	-160.	F	6.	6.	1.32	0.13	0.16	18.0	3.44	291.6	8	6.0 0.91 124
STM088	22601	0.	0.	215.	0.	204.	-155.	F	6.	7.	1.05	0.13	0.18	16.0	3.05	253.7	12	5.5 0.82 115
STM088	22601	0.	0.	211.	0.	201.	-160.	A	6.	6.	1.21	0.13	0.16	15.0	2.86	242.5	12	5.6 0.84 125
STM088	22601	0.	0.	215.	0.	204.	-155.	A	6.	7.	0.93	0.13	0.18	12.4	2.37	197.1	19	5.0 0.74 117
PFBSTM	22601	0.	0.	212.	0.	201.	-161.	6.	6.	1.48	0.13	0.16	20.6	3.93	332.6	6	6.5 0.97 123	
PFBSTM	22601	0.	0.	252.	0.	225.	-121.	6.	16.	1.45	0.13	0.29	21.3	4.07	269.1	9	5.7 0.85 113	
TISTMT	22601	0.	211.	0.	0.	-10.	51.	6.	6.	1.11	0.13	0.16	23.2	4.44	375.2	0	8.4 1.26 129	
TISTMT	22601	0.	273.	0.	0.	-35.	174.	6.	21.	1.63	0.13	0.34	48.8	9.32	609.6	0	10.9 1.64 125	
TISTMT	22601	0.	0.	211.	0.	201.	-161.	6.	6.	1.78	0.13	0.16	34.8	6.65	562.3	0	8.3 1.25 125	
TISTMT	22601	0.	0.	273.	0.	238.	-99.	6.	21.	2.27	0.13	0.34	62.0	11.83	774.1	0	10.4 1.56 122	
TIHRSG	22601	0.	221.	0.	0.	-19.	51.	6.	6.	1.24	0.13	0.12	32.0	6.11	495.0	0	9.6 1.44 126	
TIHRSG	22601	0.	242.	0.	0.	-31.	82.	6.	10.	1.34	0.13	0.17	42.2	8.04	595.3	0	10.7 1.61 121	
TIHRSG	22601	0.	0.	221.	0.	201.	-170.	6.	6.	1.93	0.13	0.12	44.6	8.52	690.7	0	9.7 1.45 123	
TIHRSG	22601	0.	0.	242.	0.	210.	-160.	6.	10.	1.93	0.13	0.17	54.2	10.34	765.5	0	10.4 1.56 118	
STIRL	22601	222.	0.	0.	-222.	201.	51.	6.	6.	0.73	0.13	0.12	10.0	1.91	153.7	0	8.0 1.20 135	
STIRL	22601	335.	0.	0.	-335.	248.	208.	6.	25.	0.84	0.13	0.26	18.4	3.52	187.5	0	9.4 1.40 115	
STIRL	22601	0.	222.	0.	0.	-21.	51.	6.	6.	0.73	0.13	0.12	10.0	1.91	153.8	1	6.8 1.03 131	
STIRL	22601	0.	335.	0.	0.	-87.	208.	6.	25.	0.84	0.13	0.26	18.4	3.52	187.8	0	7.6 1.15 109	
STIRL	22601	0.	0.	222.	0.	201.	-172.	6.	6.	1.35	0.13	0.12	19.9	3.79	305.0	6	6.4 0.96 110	
STIRL	22601	0.	0.	335.	0.	248.	-127.	6.	25.	1.54	0.13	0.26	32.5	6.20	330.6	5	6.6 0.99 99	
HEGT85	22601	0.	0.	240.	0.	201.	-189.	A	6.	6.	1.50	0.13	0.05	29.8	5.69	424.5	0	7.9 1.18 110
HEGT85	22601	0.	0.	1018.	0.	421.	-232.	A	6.	96.	4.42	0.13	0.16	126.2	24.08	423.0	0	18.6 2.78 105
HEGT60	22601	0.	0.	237.	0.	201.	-187.	A	6.	6.	1.49	0.13	0.06	29.0	5.54	417.0	0	7.8 1.16 111
HEGT60	22601	0.	0.	504.	0.	280.	-190.	A	6.	38.	2.41	0.13	0.15	65.6	12.49	443.1	0	11.5 1.73 89
HEGT00	22601	0.	0.	236.	0.	201.	-185.	A	6.	6.	1.46	0.13	0.06	27.7	5.29	400.7	1	7.6 1.14 112
HEGT00	22601	0.	0.	320.	0.	226.	-184.	A	6.	16.	1.51	0.13	0.12	37.5	7.15	400.2	0	8.3 1.24 96
FCMCCL	22601	0.	0.	217.	0.	201.	-166.	6.	6.	1.52	0.13	0.14	27.0	5.15	424.9	2	7.4 1.10 121	
FCMCCL	22601	0.	0.	333.	0.	259.	-90.	6.	30.	2.15	0.13	0.34	44.7	8.53	457.3	1	8.1 1.22 107	
FCSTCL	22601	0.	0.	215.	0.	201.	-164.	6.	6.	1.55	0.13	0.15	26.3	5.01	416.4	2	7.3 1.10 122	
FCSTCL	22601	0.	0.	404.	0.	298.	-27.	6.	46.	2.67	0.13	0.40	54.4	10.39	460.3	2	8.3 1.25 105	
IGGTST	22601	0.	0.	223.	0.	201.	-172.	6.	6.	1.54	0.13	0.12	28.3	5.01	402.6	2	7.4 1.11 119	
IGGTST	22601	0.	0.	376.	0.	264.	-114.	6.	32.	1.74	0.13	0.29	43.6	8.30	394.6	2	7.8 1.17 98	
OTSOAR	22601	0.	222.	0.	0.	-21.	51.	6.	6.	0.68	0.13	0.12	9.8	1.86	150.1	3	6.7 1.01 131	
OTSOAR	22601	0.	366.	0.	0.	-104.	256.	6.	31.	0.72	0.13	0.29	15.9	3.02	147.7	0	7.1 1.07 107	

DATE 06/08/77
CASE-PEO-ADV-DES-ENOR

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC08	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.66	0.13	0.14	9.1	1.73	142.6	7	6.5	0.98 134
GTAC08	22601	0.	308.	0.	0.	-62.	200.	6.	24.	0.62	0.13	0.31	12.3	2.35	136.9	9	6.3	0.94 117
GTAC12	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.66	0.13	0.14	9.1	1.73	142.8	7	6.6	0.98 134
GTAC12	22601	0.	340.	0.	0.	-79.	249.	6.	30.	0.68	0.13	0.33	14.4	2.75	144.7	7	6.4	0.96 112
GTAC16	22601	0.	218.	0.	0.	-17.	51.	6.	6.	0.67	0.13	0.14	9.3	1.77	145.6	6	6.6	0.99 134
GTAC16	22601	0.	363.	0.	0.	-93.	282.	6.	34.	0.73	0.13	0.34	16.4	3.12	153.8	5	6.6	1.00 109
GTWC16	22601	0.	221.	0.	0.	-20.	51.	6.	6.	0.68	0.13	0.12	9.6	1.83	148.1	4	6.7	1.01 132
GTWC16	22601	0.	391.	0.	0.	-116.	296.	6.	36.	0.75	0.13	0.32	16.5	3.14	144.0	1	7.1	1.06 106
CC1626	22601	0.	221.	0.	0.	-20.	51.	6.	6.	0.76	0.13	0.12	9.7	1.84	149.0	2	6.8	1.02 132
CC1626	22601	0.	516.	0.	0.	-189.	473.	6.	58.	1.05	0.13	0.36	22.4	4.27	148.0	0	7.8	1.16 103
CC1622	22601	0.	220.	0.	0.	-19.	51.	6.	6.	0.75	0.13	0.13	9.4	1.79	145.9	3	6.8	1.01 133
CC1622	22601	0.	470.	0.	0.	-157.	426.	6.	52.	1.01	0.13	0.36	21.6	4.11	156.5	0	7.4	1.12 104
CC1222	22601	0.	220.	0.	0.	-18.	51.	6.	6.	0.74	0.13	0.13	9.2	1.76	143.1	4	6.7	1.01 133
CC1222	22601	0.	466.	0.	0.	-154.	424.	6.	52.	0.99	0.13	0.37	20.5	3.91	149.8	1	7.2	1.09 105
CC0822	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.75	0.13	0.14	9.4	1.79	147.3	4	6.7	1.00 134
CC0822	22601	0.	394.	0.	0.	-107.	338.	6.	41.	0.89	0.13	0.37	17.4	3.32	150.6	5	6.7	1.00 108
ST1015	22601	0.	241.	0.	0.	-39.	51.	6.	6.	0.72	0.13	0.05	9.6	1.84	136.5	0	7.2	1.03 124
ST1015	22601	0.	12154.	0.	0.	-8540.	11142.	6.	1357.	18.28	0.13	0.17	345.3	65.88	96.9	0	135.9	20.38 546
ST1010	22601	0.	236.	0.	0.	-35.	51.	6.	6.	0.70	0.13	0.07	9.3	1.78	134.9	0	7.0	1.05 126
ST1010	22601	0.	1192.	0.	0.	-699.	1030.	6.	126.	2.02	0.13	0.22	39.8	7.60	114.0	0	16.1	2.41 110
ST101S	22601	0.	233.	0.	0.	-32.	51.	6.	6.	0.70	0.13	0.07	9.2	1.75	134.6	0	7.0	1.04 127
ST101S	22601	0.	750.	0.	0.	-383.	605.	6.	74.	1.36	0.13	0.23	24.2	4.62	110.3	0	11.2	1.68 98
DEADV3	22601	0.	228.	0.	0.	-27.	51.	6.	6.	0.77	0.13	0.09	12.1	2.31	180.9	0	7.2	1.09 126
DEADV3	22601	0.	733.	0.	0.	-352.	654.	6.	80.	1.84	0.13	0.29	53.4	10.18	248.5	0	13.5	2.03 106
DEHTPM	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.81	0.13	0.14	12.2	2.33	191.7	0	7.0	1.05 130
DEHTPM	22601	0.	368.	0.	0.	-93.	298.	6.	36.	1.16	0.13	0.36	28.0	5.34	259.6	0	8.1	1.22 109
DESQA3	22601	232.	0.	0.	-232.	201.	51.	6.	6.	0.76	0.13	0.08	11.6	2.22	171.2	0	8.4	1.27 129
DESQA3	22601	870.	0.	0.	-870.	412.	756.	6.	92.	2.43	0.13	0.25	75.9	14.47	297.4	0	22.3	3.34 134
DESQA3	22601	0.	232.	0.	0.	-31.	51.	6.	6.	0.76	0.13	0.08	11.6	2.22	171.2	0	7.3	1.09 125
DESQA3	22601	0.	870.	0.	0.	-459.	756.	6.	92.	2.43	0.13	0.25	75.9	14.47	297.4	0	17.8	2.67 118
GTSQAD	22601	219.	0.	0.	-219.	201.	51.	6.	6.	0.66	0.13	0.13	8.8	1.68	137.5	0	7.7	1.15 138
GTSQAD	22601	341.	0.	0.	-341.	257.	240.	6.	29.	0.64	0.13	0.31	12.8	2.45	128.5	0	8.2	1.23 119
GTRA08	22601	221.	0.	0.	-221.	201.	51.	6.	6.	0.68	0.13	0.12	10.0	1.91	154.2	0	7.9	1.18 135
GTRA08	22601	456.	0.	0.	-456.	303.	392.	6.	48.	0.89	0.13	0.34	21.4	4.06	160.1	0	9.9	1.48 112
GTRA12	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.9	1.89	153.8	0	7.9	1.18 136
GTRA12	22601	445.	0.	0.	-445.	300.	384.	6.	47.	0.89	0.13	0.35	21.6	4.11	165.2	0	9.7	1.46 112
GTRA16	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.69	0.13	0.13	10.2	1.94	158.0	0	7.9	1.18 135
GTRA16	22601	427.	0.	0.	-427.	293.	359.	6.	44.	0.89	0.13	0.34	21.7	4.15	173.7	0	9.7	1.45 113
GTR208	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.6	1.83	148.7	0	7.8	1.17 136
GTR208	22601	387.	0.	0.	-387.	275.	298.	6.	36.	0.76	0.13	0.32	17.1	3.25	150.3	0	9.0	1.35 114
GTR212	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.8	1.86	151.2	0	7.8	1.18 136
GTR212	22601	403.	0.	0.	-403.	281.	320.	6.	39.	0.80	0.13	0.33	18.4	3.51	156.1	0	9.2	1.38 113
GTR216	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.9	1.89	153.7	0	7.8	1.18 136
GTR216	22601	404.	0.	0.	-404.	284.	328.	6.	40.	0.83	0.13	0.34	19.6	3.73	165.3	0	9.3	1.39 113

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**									POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG
									MW	MW		RATIO		*10**6				ENRG
GTRW08	22601	226.	0.	0.	-226.	201.	51.		6.	6.	0.69	0.13	0.10	10.1	1.92	152.2	0	8.0
GTRW08	22601	555.	0.	0.	-555.	326.	468.		6.	57.	0.96	0.13	0.30	23.2	4.42	142.5	0	11.5
GTRW12	22601	224.	0.	0.	-224.	201.	51.		6.	6.	0.69	0.13	0.11	10.1	1.92	153.3	0	8.0
GTRW12	22601	545.	0.	0.	-545.	329.	478.		6.	58.	0.96	0.13	0.32	23.4	4.46	146.4	0	11.1
GTRW16	22601	224.	0.	0.	-224.	201.	51.		6.	6.	0.69	0.13	0.11	10.3	1.96	156.7	0	8.0
GTRW16	22601	517.	0.	0.	-517.	318.	444.		6.	54.	0.95	0.13	0.32	23.2	4.43	153.4	0	10.9
GTR308	22601	228.	0.	0.	-228.	201.	51.		6.	6.	0.68	0.13	0.10	9.7	1.85	145.1	0	8.0
GTR308	22601	480.	0.	0.	-480.	293.	358.		6.	44.	0.83	0.13	0.26	18.9	3.60	134.2	0	10.8
GTR312	22601	223.	0.	0.	-223.	201.	51.		6.	6.	0.68	0.13	0.11	9.8	1.86	149.3	0	7.9
GTR312	22601	472.	0.	0.	-472.	302.	388.		6.	47.	0.85	0.13	0.32	19.7	3.75	142.1	0	10.1
GTR316	22601	224.	0.	0.	-224.	201.	51.		6.	6.	0.69	0.13	0.11	10.0	1.91	152.8	0	8.0
GTR316	22601	469.	0.	0.	-469.	300.	382.		6.	47.	0.87	0.13	0.31	20.3	3.88	147.9	0	10.2
FCPADS	22601	230.	0.	0.	-230.	201.	51.		6.	6.	1.04	0.13	0.09	10.3	1.97	153.0	0	8.5
FCPADS	22601	929.	0.	0.	-929.	440.	850.		6.	104.	8.93	0.13	0.28	61.2	11.68	224.8	0	27.2
FCMCDS	22601	223.	0.	0.	-223.	201.	51.		6.	6.	1.01	0.13	0.11	10.6	2.02	162.0	0	8.3
FCMCDS	22601	678.	0.	0.	-678.	387.	672.		6.	82.	6.75	0.13	0.36	52.6	10.03	264.5	0	20.3

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-----FUEL USE IN BTU*10**6-----																				
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	MW	MW		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG	ENRG
UNOCGN	24211	0.	4.	12.	0.	0.	0.	2.	0.	0.21	0.17	0.	0.17	0.	1.8	1.00	174.4	0	0.6	1.00
STM141	24211	0.	0.	0.	0.	4.	12.	2.	2.	0.38	0.17	0.99	0.17	0.99	3.3	1.81	270.3	0	0.7	1.18
STM141	24211	0.	1.	0.	0.	3.	14.	2.	2.	0.30	0.17	0.95	0.17	0.95	3.1	1.70	248.5	5	0.6	1.00
STM141	24211	0.	0.	0.	0.	4.	12.	F	2.	0.62	0.17	0.99	0.17	0.99	6.1	3.38	503.5	0	1.3	2.05
STM141	24211	0.	0.	1.	0.	4.	13.	F	2.	0.49	0.17	0.95	0.17	0.95	5.5	3.02	441.9	0	1.1	1.70
STM141	24211	0.	0.	0.	0.	4.	12.	A	2.	0.56	0.17	0.99	0.17	0.99	5.5	3.06	456.4	0	1.2	1.85
STM141	24211	0.	0.	1.	0.	4.	13.	A	2.	0.42	0.17	0.95	0.17	0.95	4.8	2.65	386.8	0	0.9	1.48
STM088	24211	0.	1.	2.	0.	3.	10.		2.	0.29	0.17	0.81	0.17	0.81	2.6	1.45	222.7	6	0.6	0.98
STM088	24211	0.	1.	2.	0.	3.	10.	F	2.	0.47	0.17	0.81	0.17	0.81	5.0	2.76	422.4	0	1.1	1.60
STM088	24211	0.	1.	2.	0.	3.	10.	A	2.	0.41	0.17	0.81	0.17	0.81	4.5	2.48	379.7	0	0.9	1.49
PFBSTM	24211	0.	0.	0.	0.	4.	12.		2.	0.67	0.17	0.98	0.17	0.98	7.5	4.16	617.2	0	1.5	2.36
PFBSTM	24211	0.	0.	6.	0.	7.	17.		2.	0.53	0.17	0.80	0.17	0.80	7.3	4.02	526.0	0	1.2	1.97
TISTMT	24211	0.	20.	0.	0.	-16.	12.		2.	0.53	0.17	-0.26	0.17	-0.26	8.4	4.64	688.3	0	1.7	2.75
TISTMT	24211	0.	0.	0.	0.	4.	12.		2.	0.81	0.17	0.98	0.17	0.98	12.2	6.77	1004.1	0	2.1	3.40
TISTMT	24211	0.	0.	10.	0.	9.	21.		2.	0.83	0.17	0.76	0.17	0.76	18.1	10.01	1209.2	0	2.6	4.22
TIHRS0	24211	0.	36.	0.	0.	-33.	12.		2.	0.52	0.17	-1.27	0.17	-1.27	11.0	6.12	859.0	0	2.2	3.52
TIHRS0	24211	0.	0.	3.	0.	4.	10.		2.	0.78	0.17	0.83	0.17	0.83	15.0	8.33	1169.0	0	2.4	3.87
TIHRS0	24211	0.	0.	5.	0.	5.	11.		2.	0.67	0.17	0.75	0.17	0.75	16.0	8.90	1186.8	0	2.4	3.84
STIRL	24211	20.	0.	0.	-20.	4.	12.		2.	0.35	0.17	-0.25	0.17	-0.25	2.9	1.62	225.1	0	1.0	1.62
STIRL	24211	0.	20.	0.	0.	-16.	12.		2.	0.35	0.17	-0.25	0.17	-0.25	2.9	1.62	225.2	0	1.0	1.52
STIRL	24211	0.	0.	3.	0.	4.	9.		2.	0.61	0.17	0.81	0.17	0.81	6.3	3.51	489.0	0	1.3	2.08
STIRL	24211	0.	0.	22.	0.	12.	17.		2.	0.50	0.17	0.56	0.17	0.56	6.7	3.71	360.7	0	1.1	1.74
HEGT05	24211	0.	0.	7.	0.	4.	5.	A	2.	0.66	0.17	0.53	0.17	0.53	10.7	5.91	747.3	0	1.9	2.98
HEGT05	24211	0.	0.	177.	0.	50.	-8.	A	2.	1.46	0.17	0.19	0.17	0.19	42.3	23.47	663.4	0	5.8	9.19
HEGT60	24211	0.	0.	7.	0.	4.	5.	A	2.	0.65	0.17	0.57	0.17	0.57	10.3	5.73	734.2	0	1.8	2.90
HEGT60	24211	0.	0.	58.	0.	18.	4.	A	2.	0.79	0.17	0.28	0.17	0.28	20.8	11.55	717.4	0	3.0	4.74
HEGT00	24211	0.	0.	6.	0.	4.	6.	A	2.	0.62	0.17	0.60	0.17	0.60	9.7	5.36	693.3	0	1.7	2.73
HEGT00	24211	0.	0.	20.	0.	8.	6.	A	2.	0.51	0.17	0.41	0.17	0.41	11.7	6.46	651.8	0	1.8	2.84
FCMCL	24211	0.	0.	63.	0.	14.	-17.		2.	0.65	0.17	-0.05	0.17	-0.05	13.8	7.63	741.5	0	2.3	3.70
FCSTCL	24211	0.	0.	75.	0.	21.	-6.		2.	0.83	0.17	0.16	0.17	0.16	16.5	9.13	746.3	0	2.7	4.22
IGGTST	24211	0.	0.	70.	0.	14.	-22.		2.	0.75	0.17	-0.13	0.17	-0.13	14.2	7.88	691.8	0	2.5	4.01
GTSGAR	24211	0.	18.	0.	0.	-14.	12.		2.	0.34	0.17	-0.10	0.17	-0.10	3.4	1.89	264.0	0	1.0	1.53
GTAC08	24211	0.	19.	0.	0.	-15.	12.		2.	0.33	0.17	-0.19	0.17	-0.19	3.1	1.71	245.8	0	0.9	1.49
GTAC12	24211	0.	17.	0.	0.	-13.	12.		2.	0.33	0.17	-0.05	0.17	-0.05	3.1	1.70	243.8	0	0.9	1.43
GTAC16	24211	0.	16.	0.	0.	-12.	12.		2.	0.33	0.17	0.01	0.17	0.01	3.1	1.73	248.0	0	0.9	1.42
GTWC16	24211	0.	16.	0.	0.	-13.	12.		2.	0.34	0.17	-0.02	0.17	-0.02	3.3	1.85	259.6	0	0.9	1.48
CC1626	24211	0.	14.	0.	0.	-10.	12.		2.	0.40	0.17	0.15	0.17	0.15	3.4	1.88	263.9	0	1.0	1.54
CC1622	24211	0.	14.	0.	0.	-10.	12.		2.	0.40	0.17	0.14	0.17	0.14	3.2	1.80	254.0	0	0.9	1.51
CC1222	24211	0.	14.	0.	0.	-10.	12.		2.	0.39	0.17	0.14	0.17	0.14	3.2	1.75	247.9	0	0.9	1.49
CC0822	24211	0.	15.	0.	0.	-11.	12.		2.	0.40	0.17	0.08	0.17	0.08	3.3	1.82	261.4	0	1.0	1.54
STIG15	24211	0.	13.	0.	0.	-10.	12.		2.	0.35	0.17	0.16	0.17	0.16	3.5	1.92	243.1	0	0.9	1.45
STIG10	24211	0.	14.	0.	0.	-11.	12.		2.	0.35	0.17	0.11	0.17	0.11	3.3	1.84	239.5	0	0.9	1.44
STIG15	24211	0.	15.	0.	0.	-12.	12.		2.	0.35	0.17	0.05	0.17	0.05	3.3	1.81	230.8	0	0.9	1.45

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
DEADV3	24211	0.	14.	0.	0.	-10.	12.	2.	2.	0.39	0.17	0.14	4.5	2.47	333.3	0	1.1	1.69 145
DEHTPM	24211	0.	15.	0.	0.	-12.	12.	2.	2.	0.41	0.17	0.04	4.5	2.50	358.3	0	1.1	1.76 134
DESOA3	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.36	0.17	0.11	3.4	1.89	249.8	0	1.0	1.55 144
DESOA3	24211	0.	14.	0.	0.	-10.	12.	2.	2.	0.36	0.17	0.11	3.4	1.89	249.8	0	0.9	1.48 142
GISOAD	24211	18.	0.	0.	-18.	4.	12.	2.	2.	0.33	0.17	-0.10	3.0	1.66	236.4	0	1.0	1.53 119
GTRA08	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.34	0.17	0.10	3.5	1.95	274.0	0	1.0	1.54 142
GTRA12	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.34	0.17	0.11	3.4	1.90	268.3	0	1.0	1.52 142
GTRA16	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.08	3.5	1.96	276.0	0	1.0	1.55 139
GTR208	24211	16.	0.	0.	-16.	4.	12.	2.	2.	0.34	0.17	0.00	3.3	1.85	260.2	0	1.0	1.55 130
GTR212	24211	16.	0.	0.	-16.	4.	12.	2.	2.	0.34	0.17	0.03	3.4	1.88	264.8	0	1.0	1.55 133
GTR216	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.05	3.4	1.89	267.7	0	1.0	1.55 136
GTRW08	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.35	0.17	0.09	3.6	1.98	271.1	0	1.0	1.57 140
GTRW12	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.35	0.17	0.12	3.6	1.98	273.6	0	1.0	1.55 144
GTRW16	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.35	0.17	0.10	3.7	2.03	280.5	0	1.0	1.57 142
GTR308	24211	17.	0.	0.	-17.	4.	12.	2.	2.	0.34	0.17	-0.03	3.4	1.86	252.3	0	1.0	1.58 126
GTR312	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.06	3.5	1.91	265.4	0	1.0	1.55 137
GTR316	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.06	3.5	1.97	272.3	0	1.0	1.57 136
FCPADS	24211	13.	0.	0.	-13.	4.	12.	2.	2.	0.35	0.17	0.16	3.2	1.75	234.5	0	0.9	1.46 149
FCMCDS	24211	12.	0.	0.	-12.	4.	12.	2.	2.	0.35	0.17	0.22	3.2	1.78	247.4	0	0.9	1.45 156

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
ONOCGN	24361	0.	7.	25.	0.	0.	0.	3.	0.	0.30	0.14	0.	3.2	1.00	125.3	0	1.3	1.00 80	
STM141	24361	0.	0.	0.	0.	7.	25.	3.	3.	0.51	0.14	0.99	5.3	1.64	181.0	12	1.1	0.62 238	
STM141	24361	0.	1.	0.	0.	7.	26.	3.	3.	0.42	0.14	0.97	5.0	1.55	169.6	17	1.0	0.72 223	
STM141	24361	0.	0.	0.	0.	7.	24. F	3.	3.	0.88	0.14	0.99	10.5	3.25	357.8	0	2.0	1.52 243	
STM141	24361	0.	0.	1.	0.	8.	25. F	3.	3.	0.73	0.14	0.97	9.7	2.99	327.2	0	1.8	1.33 226	
STM141	24361	0.	0.	0.	0.	7.	24. A	3.	3.	0.79	0.14	0.99	8.7	2.70	297.4	0	1.7	1.30 241	
STM141	24361	0.	0.	1.	0.	8.	25. A	3.	3.	0.64	0.14	0.97	7.8	2.41	263.4	2	1.5	1.10 224	
STM088	24361	0.	2.	8.	0.	5.	17.	3.	2.	0.40	0.14	0.68	4.3	1.34	153.3	17	1.1	0.82 191	
STM088	24361	0.	2.	8.	0.	5.	17. F	3.	2.	0.70	0.14	0.68	8.8	2.73	313.3	0	1.9	1.41 192	
STM088	24361	0.	2.	8.	0.	5.	17. A	3.	2.	0.61	0.14	0.68	7.3	2.25	258.3	0	1.6	1.22 190	
PFBSTM	24361	0.	0.	1.	0.	7.	24.	3.	3.	1.03	0.14	0.97	12.9	3.99	437.1	0	2.4	1.83 246	
PFBSTM	24361	0.	0.	13.	0.	15.	35.	3.	6.	0.88	0.14	0.79	12.4	3.84	374.3	0	2.0	1.43 199	
TISTMT	24361	0.	45.	0.	0.	-37.	25.	3.	3.	0.79	0.14	-0.40	14.8	4.58	503.2	0	3.4	2.53 91	
TISTMT	24361	0.	0.	1.	0.	7.	24.	3.	3.	1.24	0.14	0.98	21.9	6.76	742.4	0	3.6	2.71 264	
TISTMT	24361	0.	0.	22.	0.	20.	45.	3.	8.	1.37	0.14	0.75	34.0	10.49	949.4	0	4.6	3.46 227	
TIHR3G	24361	0.	73.	0.	0.	-65.	25.	3.	3.	0.81	0.14	-1.27	18.9	5.82	602.3	0	4.4	3.30 -1	
TIHR3G	24361	0.	0.	7.	0.	7.	18.	3.	3.	1.27	0.14	0.78	26.5	8.17	844.5	0	4.2	3.17 249	
TIHR3G	24361	0.	0.	19.	0.	12.	21.	3.	5.	1.21	0.14	0.64	32.1	9.90	922.3	0	4.7	3.50 225	
STIRL	24361	42.	0.	0.	-42.	7.	25.	3.	3.	0.52	0.14	-0.32	5.6	1.74	180.8	0	2.2	1.63 94	
STIRL	24361	0.	42.	0.	0.	-35.	25.	3.	3.	0.52	0.14	-0.32	5.6	1.74	180.9	0	2.0	1.53 90	
STIRL	24361	0.	0.	6.	0.	7.	18.	3.	3.	0.93	0.14	0.80	11.7	3.62	376.0	0	2.2	1.68 222	
STIRL	24361	0.	0.	54.	0.	27.	36.	3.	11.	0.89	0.14	0.54	15.4	4.74	340.5	0	2.1	1.57 153	
HEOT60	24361	0.	0.	16.	0.	7.	9. A	3.	3.	1.00	0.14	0.50	17.8	5.49	522.5	0	3.1	2.35 196	
HEOT60	24361	0.	0.	200.	0.	56.	-13. A	3.	23.	1.68	0.14	0.18	45.4	14.01	516.6	0	6.4	4.79 165	
HEOT00	24361	0.	0.	14.	0.	7.	11. A	3.	3.	0.97	0.14	0.58	16.8	5.19	505.5	0	3.0	2.23 203	
HEOT00	24361	0.	0.	56.	0.	20.	10. A	3.	8.	0.94	0.14	0.34	22.6	6.99	493.7	0	3.4	2.55 157	
FCMCCL	24361	0.	0.	159.	0.	35.	-43.	3.	14.	1.26	0.14	-0.05	26.3	8.12	565.6	0	4.6	3.48 116	
FCSTCL	24361	0.	0.	181.	0.	47.	-22.	3.	19.	1.51	0.14	0.12	30.3	9.34	571.9	0	4.9	3.68 135	
IGGIST	24361	0.	0.	168.	0.	32.	-61.	3.	13.	1.14	0.14	-0.21	25.0	7.73	508.2	0	4.7	3.50 99	
GTSOAR	24361	0.	35.	0.	0.	-20.	25.	3.	3.	0.49	0.14	-0.10	6.0	1.85	192.5	0	1.9	1.42 114	
GTAC08	24361	0.	38.	0.	0.	-31.	25.	3.	3.	0.48	0.14	-0.19	5.5	1.71	183.6	0	1.9	1.42 105	
GTAC12	24361	0.	34.	0.	0.	-26.	25.	3.	3.	0.48	0.14	-0.05	5.5	1.71	182.4	0	1.8	1.35 120	
GTAC16	24361	0.	32.	0.	0.	-24.	25.	3.	3.	0.48	0.14	0.01	5.6	1.74	185.1	0	1.8	1.33 127	
GTWC16	24361	0.	32.	0.	0.	-25.	25.	3.	3.	0.49	0.14	-0.02	5.9	1.82	191.3	0	1.8	1.37 124	
CC1026	24361	0.	28.	0.	0.	-21.	25.	3.	3.	0.56	0.14	0.12	5.9	1.81	189.4	0	1.8	1.36 140	
CC1622	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.55	0.14	0.10	5.7	1.75	184.1	0	1.8	1.34 138	
CC1222	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.55	0.14	0.10	5.5	1.71	180.0	0	1.8	1.33 139	
CC0022	24361	0.	31.	0.	0.	-24.	25.	3.	3.	0.55	0.14	0.03	5.7	1.76	187.3	0	1.8	1.38 131	
STIG15	24361	0.	27.	0.	0.	-20.	25.	3.	3.	0.51	0.14	0.16	5.9	1.82	175.4	0	1.7	1.29 144	
STIG10	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.50	0.14	0.11	5.7	1.76	173.2	0	1.7	1.29 138	
STIG15	24361	0.	31.	0.	0.	-23.	25.	3.	3.	0.50	0.14	0.05	5.6	1.74	172.8	0	1.8	1.32 131	
DEADV3	24361	0.	28.	0.	0.	-20.	25.	3.	3.	0.55	0.14	0.14	7.5	2.33	234.3	0	2.0	1.46 141	
DEHTPM	24361	0.	33.	0.	0.	-26.	25.	3.	3.	0.59	0.14	-0.03	7.8	2.40	253.3	0	2.1	1.60 122	

DATE 06/00/71

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

AGE 20

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
DESOA3	24361	28.	0.	0.	-28.	7.	25.	3.	3.	0.53	0.14	0.11	6.5	2.00	198.4	0	2.0	1.48	141
DESOA3	24361	0.	28.	0.	0.	-21.	25.	3.	3.	0.53	0.14	0.11	6.5	2.00	198.4	0	1.8	1.38	138
GTSOAD	24361	35.	0.	0.	-35.	7.	25.	3.	3.	0.48	0.14	-0.10	5.4	1.67	176.5	0	2.0	1.49	118
GTRA08	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.10	6.1	1.89	197.1	0	1.9	1.43	139
GTRA12	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.11	6.1	1.87	195.7	0	1.9	1.42	140
GTRA16	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.08	6.2	1.92	201.2	0	1.9	1.45	137
GTR208	24361	32.	0.	0.	-32.	7.	25.	3.	3.	0.49	0.14	-0.00	5.9	1.82	190.4	0	2.0	1.47	128
GTR212	24361	31.	0.	0.	-31.	7.	25.	3.	3.	0.49	0.14	0.03	6.0	1.85	193.6	0	2.0	1.46	131
GTR216	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.49	0.14	0.05	6.0	1.86	196.0	0	1.9	1.46	134
GTRW08	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.50	0.14	0.09	6.2	1.92	195.9	0	1.9	1.45	138
GTRW12	24361	28.	0.	0.	-28.	7.	25.	3.	3.	0.49	0.14	0.12	6.2	1.92	197.7	0	1.9	1.43	141
GTRW16	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.50	0.14	0.10	6.4	1.96	202.4	0	1.9	1.45	139
GTR308	24361	33.	0.	0.	-33.	7.	25.	3.	3.	0.49	0.14	-0.03	5.9	1.83	185.3	0	2.0	1.50	125
GTR312	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.49	0.14	0.06	6.0	1.86	193.1	0	1.9	1.45	135
GTR316	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.50	0.14	0.06	6.2	1.91	197.7	0	2.0	1.47	134
FCPADS	24361	27.	0.	0.	-27.	7.	25.	3.	3.	0.62	0.14	0.16	5.9	1.82	183.3	0	2.0	1.48	148
FCMCDS	24361	25.	0.	0.	-25.	7.	25.	3.	3.	0.61	0.14	0.22	6.0	1.86	193.0	0	1.9	1.43	155

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	GSM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCOGEN	24921	0.	15.	41.	0.	0.	0.	5.	0.	0.22	0.46	0.	2.1	1.00	161.6	0	2.1	1.00 80
STM141	24921	0.	17.	28.	0.	-2.	13.	5.	2.	0.32	0.46	0.19	3.3	1.58	223.3	9	2.0	0.97 123
STM141	24921	0.	8.	37.	0.	6.	4. F	5.	2.	0.54	0.46	0.19	6.0	2.90	409.3	0	2.4	1.16 117
STM141	24921	0.	8.	37.	0.	6.	4. A	5.	2.	0.47	0.46	0.19	5.1	2.49	351.5	0	2.2	1.09 117
STM088	24921	0.	16.	33.	0.	-2.	8.	5.	1.	0.31	0.46	0.12	2.8	1.35	199.4	7	2.0	0.99 114
STM088	24921	0.	10.	39.	0.	5.	2. F	5.	1.	0.52	0.46	0.12	5.4	2.64	390.7	0	2.4	1.19 106
STM088	24921	0.	10.	39.	0.	5.	2. A	5.	1.	0.46	0.46	0.12	4.8	2.33	344.5	0	2.3	1.13 106
PFBSTM	24921	0.	5.	32.	0.	10.	9.	5.	3.	0.63	0.46	0.34	7.9	3.85	484.9	0	2.4	1.16 137
TI1STMT	24921	0.	15.	39.	0.	-0.	2.	5.	0.	0.37	0.46	0.03	3.7	1.80	204.3	0	2.3	1.14 87
TI1STMT	24921	0.	2.	27.	0.	12.	14.	5.	4.	0.92	0.46	0.47	20.3	9.93	1147.6	0	3.7	1.82 164
TI1HRS6	24921	0.	15.	40.	0.	-0.	1.	5.	0.	0.32	0.46	0.01	3.6	1.73	273.8	0	2.3	1.11 32
TI1HRS6	24921	0.	6.	39.	0.	0.	2.	5.	2.	0.79	0.46	0.19	19.1	9.27	1113.1	0	3.9	1.93 129
ST1RL	24921	70.	0.	0.	-70.	15.	41.	5.	5.	0.41	0.46	-0.27	4.6	2.22	211.9	0	3.4	1.66 96
ST1RL	24921	4.	12.	39.	-4.	3.	2.	5.	0.	0.32	0.46	0.02	2.8	1.33	207.4	0	2.2	1.07 93
ST1RL	24921	0.	70.	0.	0.	-56.	41.	5.	5.	0.41	0.46	-0.27	4.6	2.22	212.1	0	2.9	1.43 90
ST1RL	24921	0.	16.	39.	0.	-1.	2.	5.	0.	0.32	0.46	0.02	2.8	1.33	207.3	0	2.2	1.05 93
ST1RL	24921	0.	0.	32.	0.	15.	9.	5.	5.	0.70	0.46	0.42	8.2	3.98	379.9	4	2.1	1.03 157
ST1RL	24921	0.	0.	35.	0.	16.	9.	5.	5.	0.58	0.46	0.42	7.7	3.75	347.4	7	1.9	0.93 144
HEGT60	24921	0.	0.	49.	0.	15.	-8. A	5.	5.	0.97	0.46	0.12	18.9	9.16	716.1	0	3.8	1.87 133
HEGT60	24921	0.	0.	107.	0.	30.	-15. A	5.	11.	1.09	0.46	0.13	27.6	13.39	636.9	0	4.7	2.31 124
HEGT00	24921	0.	2.	44.	0.	12.	-3. A	5.	4.	0.62	0.46	0.16	13.8	6.67	608.1	0	3.0	1.48 119
FC1HCL	24921	0.	0.	68.	0.	15.	-27.	5.	5.	0.92	0.46	-0.23	14.9	7.24	744.3	0	3.7	1.82 90
FC1HCL	24921	0.	0.	70.	0.	19.	-21.	5.	7.	0.83	0.46	-0.02	16.0	7.75	696.0	0	3.6	1.74 101
FC1HCL	24921	0.	0.	68.	0.	15.	-26.	5.	5.	1.00	0.46	-0.21	14.9	7.25	755.4	0	3.8	1.85 92
FC1HCL	24921	0.	0.	89.	0.	26.	-11.	5.	10.	1.02	0.46	0.14	18.4	8.91	703.4	0	3.7	1.82 119
IG1ST	24921	0.	0.	74.	0.	15.	-33.	5.	5.	0.94	0.46	-0.33	15.2	7.38	699.8	0	3.9	1.90 78
IG1ST	24921	0.	0.	83.	0.	18.	-30.	5.	6.	0.81	0.46	-0.17	15.7	7.62	646.5	0	3.7	1.90 85
GT1SOAR	24921	0.	59.	0.	0.	-44.	41.	5.	5.	0.43	0.46	-0.06	5.4	2.60	247.6	0	2.7	1.32 111
GT1SOAR	24921	0.	16.	38.	0.	-1.	3.	5.	0.	0.31	0.46	0.03	3.0	1.44	219.5	0	2.2	1.06 95
GTAC08	24921	0.	63.	0.	0.	-49.	41.	5.	5.	0.37	0.46	-0.14	4.5	2.18	223.8	0	2.7	1.31 104
GTAC08	24921	0.	15.	39.	0.	-1.	3.	5.	0.	0.30	0.46	0.03	2.7	1.32	206.6	0	2.1	1.05 94
GTAC12	24921	0.	56.	0.	0.	-41.	41.	5.	5.	0.40	0.46	-0.00	4.7	2.29	233.3	0	2.5	1.23 117
GTAC12	24921	0.	16.	38.	0.	-1.	3.	5.	0.	0.31	0.46	0.04	2.8	1.34	207.0	0	2.1	1.05 95
GTAC16	24921	0.	53.	0.	0.	-38.	41.	5.	5.	0.41	0.46	0.05	5.0	2.41	242.8	0	2.5	1.21 123
GTAC16	24921	0.	16.	37.	0.	-1.	4.	5.	0.	0.31	0.46	0.04	2.8	1.37	209.6	0	2.1	1.05 98
GTWC16	24921	0.	54.	0.	0.	-40.	41.	5.	5.	0.43	0.46	0.03	5.3	2.56	250.3	0	2.6	1.25 120
GTWC16	24921	0.	16.	37.	0.	-1.	4.	5.	0.	0.31	0.46	0.04	2.9	1.43	217.7	0	2.2	1.06 97
CC1626	24921	0.	47.	0.	0.	-32.	41.	5.	5.	0.52	0.46	0.15	5.4	2.63	255.3	0	2.5	1.21 134
CC1626	24921	0.	17.	36.	0.	-2.	5.	5.	1.	0.37	0.46	0.06	3.1	1.48	220.4	0	2.2	1.00 102
CC1622	24921	0.	40.	0.	0.	-33.	41.	5.	5.	0.51	0.46	0.14	5.2	2.50	246.8	0	2.5	1.20 133
CC1622	24921	0.	16.	36.	0.	-2.	5.	5.	1.	0.37	0.46	0.05	2.9	1.41	212.6	0	2.2	1.03 101
CC1222	24921	0.	48.	0.	0.	-33.	41.	5.	5.	0.50	0.46	0.14	5.0	2.41	238.8	0	2.4	1.19 133
CC1222	24921	0.	16.	36.	0.	-2.	5.	5.	1.	0.37	0.46	0.05	2.9	1.38	208.5	0	2.2	1.07 102

DATE 06/00/79
CASE-PEO-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	MW	MW		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG
																			ENRG
CC0822	24921	0.	51.	0.	0.	-37.	41.	5.	5.	0.50	0.46	0.08	5.1	2.45	249.3	0	2.5	1.24	126
CC0822	24921	0.	16.	37.	0.	-1.	4.	5.	0.	0.36	0.46	0.05	2.9	1.38	212.2	0	2.2	1.07	98
STIG15	24921	0.	46.	0.	0.	-32.	41.	5.	5.	0.51	0.46	0.17	5.6	2.74	219.6	0	2.5	1.20	135
STIG15	24921	0.	154.	0.	0.	-109.	141.	5.	17.	0.81	0.46	0.17	10.4	5.05	182.2	0	4.1	2.02	119
STIG10	24921	0.	48.	0.	0.	-33.	41.	5.	5.	0.48	0.46	0.15	5.3	2.57	216.3	0	2.4	1.18	133
STIG10	24921	0.	23.	28.	0.	-9.	13.	5.	2.	0.37	0.46	0.03	3.7	1.77	221.7	0	2.2	1.10	110
STIG1S	24921	0.	51.	0.	0.	-36.	41.	5.	5.	0.47	0.46	0.09	5.1	2.50	214.6	0	2.5	1.22	127
STIG1S	24921	0.	19.	33.	0.	-5.	8.	5.	1.	0.34	0.46	0.05	3.2	1.56	216.2	0	2.2	1.08	103
DEADV3	24921	0.	46.	0.	0.	-31.	41.	5.	5.	0.53	0.46	0.17	7.2	3.51	311.6	0	2.6	1.28	134
DEADV3	24921	0.	20.	32.	0.	-5.	9.	5.	1.	0.39	0.46	0.07	4.5	2.17	295.0	0	2.4	1.15	103
DEHTPM	24921	0.	55.	0.	0.	-40.	41.	5.	5.	0.54	0.46	0.01	7.3	3.53	350.9	0	2.9	1.42	117
DEHTPM	24921	0.	16.	38.	0.	-1.	3.	5.	0.	0.34	0.46	0.04	2.9	1.42	218.2	0	2.2	1.07	96
DESQA3	24921	47.	0.	0.	-47.	15.	41.	5.	5.	0.51	0.46	0.15	6.5	3.16	270.7	0	2.9	1.41	136
DESQA3	24921	13.	9.	30.	-13.	6.	11.	5.	1.	0.38	0.46	0.07	3.6	1.77	230.0	0	2.3	1.14	109
DESQA3	24921	0.	47.	0.	0.	-33.	41.	5.	5.	0.51	0.46	0.15	6.5	3.16	270.7	0	2.6	1.26	132
DESQA3	24921	0.	22.	30.	0.	-7.	11.	5.	1.	0.38	0.46	0.07	3.6	1.77	230.0	0	2.3	1.10	108
GTSQAD	24921	58.	0.	0.	-58.	15.	41.	5.	5.	0.40	0.46	-0.05	4.5	2.17	216.7	0	3.0	1.44	118
GTSQAD	24921	4.	11.	38.	-4.	3.	3.	5.	0.	0.30	0.46	0.04	2.7	1.33	205.2	0	2.2	1.06	96
GTRA08	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.45	0.46	0.14	5.7	2.77	265.5	0	2.8	1.34	135
GTRA08	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.33	0.46	0.06	3.2	1.57	232.4	0	2.2	1.09	101
GTRA12	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.44	0.46	0.14	5.6	2.74	265.4	0	2.7	1.34	135
GTRA12	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.06	3.1	1.52	226.8	0	2.2	1.08	101
GTRA16	24921	49.	0.	0.	-49.	15.	41.	5.	5.	0.45	0.46	0.12	5.9	2.84	276.2	0	2.8	1.37	133
GTRA16	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.1	1.53	229.1	0	2.2	1.08	99
GTR208	24921	53.	0.	0.	-53.	15.	41.	5.	5.	0.43	0.46	0.04	5.3	2.56	249.5	0	2.9	1.41	126
GTR208	24921	5.	11.	37.	-5.	4.	4.	5.	0.	0.31	0.46	0.04	3.0	1.44	219.2	0	2.2	1.07	98
GTR212	24921	52.	0.	0.	-52.	15.	41.	5.	5.	0.43	0.46	0.07	5.5	2.65	257.4	0	2.9	1.39	128
GTR212	24921	5.	11.	37.	-5.	4.	4.	5.	1.	0.32	0.46	0.05	3.0	1.47	222.2	0	2.2	1.08	98
GTR216	24921	51.	0.	0.	-51.	15.	41.	5.	5.	0.44	0.46	0.09	5.6	2.70	264.5	0	2.8	1.33	130
GTR216	24921	5.	11.	37.	-5.	4.	4.	5.	1.	0.32	0.46	0.05	3.0	1.48	223.3	0	2.2	1.08	99
GTRW08	24921	49.	0.	0.	-49.	15.	41.	5.	5.	0.46	0.46	0.13	5.9	2.84	259.4	0	2.8	1.37	133
GTRW08	24921	8.	10.	35.	-8.	4.	6.	5.	1.	0.34	0.46	0.06	3.4	1.63	235.5	0	2.3	1.10	102
GTRW12	24921	47.	0.	0.	-47.	15.	41.	5.	5.	0.45	0.46	0.16	5.9	2.84	264.9	0	2.7	1.34	137
GTRW12	24921	7.	10.	35.	-7.	4.	6.	5.	1.	0.33	0.46	0.06	3.4	1.63	236.9	0	2.3	1.10	102
GTRW16	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.46	0.46	0.14	6.0	2.92	274.0	0	2.8	1.36	135
GTRW16	24921	7.	11.	35.	-7.	4.	6.	5.	1.	0.33	0.46	0.06	3.4	1.63	239.0	0	2.3	1.10	101
GTR308	24921	55.	0.	0.	-55.	15.	41.	5.	5.	0.44	0.46	0.01	5.4	2.64	235.9	0	3.0	1.45	122
GTR308	24921	7.	11.	36.	-7.	4.	5.	5.	1.	0.32	0.46	0.04	3.1	1.48	218.8	0	2.2	1.09	99
GTR312	24921	50.	0.	0.	-50.	15.	41.	5.	5.	0.44	0.46	0.10	5.5	2.69	254.6	0	2.8	1.37	131
GTR312	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.2	1.53	227.6	0	2.2	1.09	100
GTR316	24921	50.	0.	0.	-50.	15.	41.	5.	5.	0.45	0.46	0.10	5.7	2.78	263.3	0	2.8	1.39	130
GTR316	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.2	1.55	231.0	0	2.2	1.09	99
FCPADS	24921	45.	0.	0.	-45.	15.	41.	5.	5.	0.82	0.46	0.19	5.5	2.65	234.3	0	3.0	1.46	145
FCPADS	24921	12.	9.	30.	-12.	6.	11.	5.	1.	0.42	0.46	0.08	3.4	1.64	218.1	0	2.3	1.14	111

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GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
FCMCDS	24921	41.	0.	0.	-41.	15.	41.	5.	5.	0.78	0.46	0.26	5.6	2.73	260.9	0	2.9	1.39 151
FCMCDS	24921	9.	10.	33.	-9.	5.	9.	5.	1.	0.38	0.46	0.09	3.3	1.58	223.0	0	2.2	1.10 109

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	26212	0.	627.	411.	0.	0.	0.	50.	0.	1.08	0.22	0.	24.7	1.00	91.8	0	37.1	1.00 80
STM141	26212	0.	761.	23.	0.	-74.	387.	50.	47.	1.41	0.22	0.29	32.3	1.31	99.5	54	28.9	0.78 143
STM141	26212	0.	7.	777.	0.	680.	-367. F	50.	47.	3.20	0.22	0.29	61.3	2.48	188.9	24	24.1	0.65 127
STM141	26212	0.	7.	777.	0.	680.	-367. A	50.	47.	2.93	0.22	0.29	42.6	1.73	131.4	46	21.8	0.59 132
STM088	26212	0.	741.	129.	0.	-54.	281.	50.	34.	1.24	0.22	0.21	25.6	1.04	82.9	190	30.6	0.82 139
STM088	26212	0.	39.	831.	0.	649.	-421. F	50.	34.	2.99	0.22	0.21	57.3	2.32	185.5	22	26.7	0.72 119
STM088	26212	0.	39.	831.	0.	649.	-421. A	50.	34.	2.83	0.22	0.21	41.0	1.66	132.7	41	24.8	0.67 124
PFBSTM	26212	0.	0.	772.	0.	687.	-362.	50.	50.	4.84	0.22	0.30	63.2	2.56	191.5	22	25.4	0.68 139
PFBSTM	26212	0.	0.	883.	0.	753.	-254.	50.	77.	5.13	0.22	0.36	60.9	2.47	168.3	27	22.2	0.60 133
TISTMT	26212	0.	771.	0.	0.	-83.	411.	50.	50.	3.57	0.22	0.30	105.8	4.29	321.3	3	38.6	1.04 141
TISTMT	26212	0.	824.	0.	0.	-105.	517.	50.	63.	3.90	0.22	0.33	118.8	4.81	344.3	3	39.4	1.06 133
TISTMT	26212	0.	0.	771.	0.	687.	-360.	50.	50.	5.58	0.22	0.30	140.2	5.68	425.9	7	34.4	0.93 135
TISINT	26212	0.	0.	987.	0.	816.	-146.	50.	102.	6.85	0.22	0.40	202.1	8.19	514.9	5	36.1	0.97 130
TIHRS6	26212	0.	791.	159.	0.	-103.	252.	50.	31.	3.40	0.22	0.14	105.5	4.27	328.3	0	43.5	1.17 111
TIHRS6	26212	0.	0.	856.	0.	687.	-446.	50.	50.	6.06	0.22	0.22	179.8	7.29	507.9	3	40.7	1.10 117
STIRL	26212	862.	0.	0.	-862.	687.	411.	50.	50.	2.22	0.22	0.22	53.6	2.17	150.7	0	40.2	1.08 142
STIRL	26212	1006.	0.	0.	-1006.	747.	610.	50.	74.	2.48	0.22	0.26	63.2	2.56	158.7	0	42.1	1.14 133
STIRL	26212	0.	862.	0.	0.	-174.	411.	50.	50.	2.22	0.22	0.22	53.7	2.18	150.8	12	34.2	0.92 138
STIRL	26212	0.	1006.	0.	0.	-259.	610.	50.	74.	2.48	0.22	0.26	63.3	2.56	158.9	9	35.2	0.95 129
STIRL	26212	0.	0.	862.	0.	687.	-451.	50.	50.	4.41	0.22	0.22	91.5	3.71	256.9	13	29.4	0.79 126
STIRL	26212	0.	0.	1282.	0.	861.	-291.	50.	121.	5.79	0.22	0.31	150.0	6.08	313.1	9	30.7	0.83 113
HEGT85	26212	0.	0.	1022.	0.	687.	-612. A	50.	50.	5.20	0.22	0.07	120.7	4.89	299.4	5	36.4	0.98 109
HEGT85	26212	0.	0.	6244.	0.	2087.	-1149. A	50.	621.	23.87	0.22	0.13	652.2	26.43	337.3	0	94.5	2.55 97
HEGT60	26212	0.	0.	998.	0.	687.	-588. A	50.	50.	5.08	0.22	0.09	115.1	4.67	290.8	6	35.2	0.95 112
HEGT60	26212	0.	0.	2331.	0.	1064.	-658. A	50.	204.	8.72	0.22	0.15	213.3	8.64	271.2	2	43.3	1.17 86
HEGT00	26212	0.	0.	977.	0.	687.	-567. A	50.	50.	4.76	0.22	0.11	100.7	4.08	258.3	9	33.0	0.89 114
HEGT00	26212	0.	0.	1244.	0.	767.	-568. A	50.	82.	5.11	0.22	0.14	117.0	4.74	250.1	8	33.6	0.90 103
FCMCCL	26212	0.	0.	1166.	0.	687.	-756.	50.	50.	5.36	0.22	-0.06	96.8	3.92	203.2	5	36.8	0.99 96
FCMCCL	26212	0.	0.	1648.	0.	925.	-442.	50.	147.	8.45	0.22	0.23	142.4	5.77	295.0	6	34.7	0.93 102
FCSTCL	26212	0.	0.	1155.	0.	687.	-745.	50.	50.	5.37	0.22	-0.05	101.8	4.13	300.7	5	37.1	1.00 97
FCSTCL	26212	0.	0.	1978.	0.	1112.	-147.	50.	223.	10.26	0.22	0.33	172.5	6.99	297.6	8	30.9	0.83 100
IGGTST	26212	0.	0.	1216.	0.	687.	-806.	50.	50.	4.02	0.22	-0.11	89.1	3.61	249.9	7	35.5	0.96 90
IGGTST	26212	0.	0.	1843.	0.	945.	-571.	50.	155.	4.50	0.22	0.17	137.8	5.58	255.1	8	32.1	0.87 92
GTSOAR	26212	0.	860.	0.	0.	-172.	411.	50.	50.	1.79	0.22	0.22	39.9	1.62	112.3	23	32.3	0.87 143
GTSOAR	26212	0.	1132.	0.	0.	-331.	790.	50.	96.	2.04	0.22	0.29	48.3	1.96	110.9	16	32.8	0.88 132
GTAC08	26212	0.	814.	0.	0.	-127.	411.	50.	50.	1.71	0.22	0.26	37.1	1.50	100.5	34	30.5	0.82 148
GTAC08	26212	0.	933.	0.	0.	-187.	606.	50.	74.	1.80	0.22	0.31	40.1	1.63	106.5	30	29.9	0.81 140
GTAC12	26212	0.	819.	0.	0.	-131.	411.	50.	50.	1.75	0.22	0.25	38.5	1.56	112.2	30	30.8	0.83 147
GTAC12	26212	0.	1034.	0.	0.	-243.	759.	50.	92.	1.96	0.22	0.33	45.9	1.86	113.0	24	30.2	0.81 138
GTAC16	26212	0.	824.	0.	0.	-137.	411.	50.	50.	1.70	0.22	0.25	39.9	1.62	115.7	27	31.2	0.84 146
GTAC16	26212	0.	1110.	0.	0.	-288.	863.	50.	105.	2.10	0.22	0.34	50.9	2.06	118.8	19	30.7	0.83 135
GTVC16	26212	0.	848.	0.	0.	-161.	411.	50.	50.	1.77	0.22	0.23	39.1	1.58	111.0	26	31.8	0.86 144
GTVC16	26212	0.	1186.	0.	0.	-353.	899.	50.	110.	2.05	0.22	0.32	48.6	1.97	107.8	18	31.9	0.86 133

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PAGE 33

-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG
								MW	MW		RATIO		*10**6				NORM WRTH ENRG
CC1626	26212	0.	851.	0.	0.	-164.	411.	50.	50.	1.98	0.22	0.22	42.9	1.74	121.5	19	32.6
CC1626	26212	0.	1555.	0.	0.	-567.	1418.	50.	173.	2.58	0.22	0.35	61.3	2.48	109.6	12	32.9
CC1622	26212	0.	839.	0.	0.	-152.	411.	50.	50.	1.98	0.22	0.24	43.4	1.76	124.1	19	32.3
CC1622	26212	0.	1418.	0.	0.	-472.	1276.	50.	155.	2.55	0.22	0.36	62.5	2.53	120.4	13	32.2
CC1222	26212	0.	837.	0.	0.	-150.	411.	50.	50.	1.96	0.22	0.24	42.3	1.72	121.5	21	32.1
CC1222	26212	0.	1407.	0.	0.	-463.	1270.	50.	155.	2.51	0.22	0.36	59.5	2.41	115.4	15	31.6
CC0822	26212	0.	818.	0.	0.	-131.	411.	50.	50.	1.86	0.22	0.25	38.4	1.56	111.9	28	31.0
CC0822	26212	0.	1189.	0.	0.	-322.	1010.	50.	123.	2.26	0.22	0.37	51.0	2.07	112.9	20	29.9
ST1015	26212	0.	1006.	0.	0.	-318.	411.	50.	50.	2.32	0.22	0.08	43.7	1.77	109.8	2	37.7
ST1015	26212	0.	36923.	0.	0.	-26247.	33850.	50.	4123.	62.10	0.22	0.17	1012.1	41.02	92.7	0	507.1
ST1010	26212	0.	966.	0.	0.	-278.	411.	50.	50.	2.14	0.22	0.12	42.2	1.71	109.2	9	36.1
ST1010	26212	0.	3623.	0.	0.	-2123.	3130.	50.	381.	6.13	0.22	0.22	115.5	4.68	99.2	0	64.8
ST1015	26212	0.	947.	0.	0.	-260.	411.	50.	50.	2.15	0.22	0.14	41.5	1.68	108.8	11	35.5
ST1015	26212	0.	2277.	0.	0.	-1164.	1837.	50.	224.	4.21	0.22	0.23	75.4	3.05	97.8	0	48.1
DEADV3	26212	0.	914.	0.	0.	-226.	411.	50.	50.	2.38	0.22	0.17	60.4	2.45	162.7	6	36.7
DEADV3	26212	0.	2342.	0.	0.	-1153.	2090.	50.	255.	5.40	0.22	0.29	175.2	7.10	221.9	0	55.8
DEHTPM	26212	0.	823.	0.	0.	-136.	411.	50.	50.	2.41	0.22	0.25	59.3	2.40	171.9	11	33.8
DEHTPM	26212	0.	1120.	0.	0.	-292.	882.	50.	107.	3.34	0.22	0.34	92.8	3.76	215.1	6	36.2
DESOA3	26212	942.	0.	0.	-942.	687.	411.	50.	50.	2.59	0.22	0.14	68.6	2.78	180.7	0	45.1
DESOA3	26212	2807.	0.	0.	-2807.	1293.	2439.	50.	297.	7.37	0.22	0.25	248.5	10.07	268.3	0	90.8
DESOA3	26212	0.	942.	0.	0.	-255.	411.	50.	50.	2.59	0.22	0.14	68.6	2.78	180.7	1	38.6
DESOA3	26212	0.	2807.	0.	0.	-1514.	2439.	50.	297.	7.37	0.22	0.25	248.5	10.07	268.3	0	71.5
GTSOAD	26212	832.	0.	0.	-832.	687.	411.	50.	50.	1.70	0.22	0.24	36.4	1.48	104.8	7	36.7
GTSOAD	26212	1042.	0.	0.	-1042.	783.	732.	50.	89.	1.85	0.22	0.31	41.6	1.69	101.8	2	37.7
GTRA08	26212	854.	0.	0.	-854.	687.	411.	50.	50.	1.90	0.22	0.22	44.7	1.81	126.3	0	38.6
GTRA08	26212	1428.	0.	0.	-1428.	931.	1226.	50.	149.	2.61	0.22	0.34	69.7	2.83	133.6	0	44.2
GTRA12	26212	847.	0.	0.	-847.	687.	411.	50.	50.	1.91	0.22	0.23	45.2	1.83	128.4	0	38.4
GTRA12	26212	1386.	0.	0.	-1386.	921.	1194.	50.	145.	2.57	0.22	0.34	68.2	2.76	133.7	0	43.2
GTRA16	26212	845.	0.	0.	-845.	687.	411.	50.	50.	1.94	0.22	0.23	46.2	1.87	131.7	0	38.5
GTRA16	26212	1325.	0.	0.	-1325.	897.	1112.	50.	135.	2.57	0.22	0.34	68.5	2.78	139.3	0	42.8
GTR208	26212	846.	0.	0.	-846.	687.	411.	50.	50.	1.79	0.22	0.23	39.9	1.62	113.5	1	37.7
GTR208	26212	1194.	0.	0.	-1194.	839.	919.	50.	112.	2.13	0.22	0.32	51.6	2.09	113.9	0	40.3
GTR212	26212	847.	0.	0.	-847.	687.	411.	50.	50.	1.81	0.22	0.23	40.7	1.65	115.8	0	37.8
GTR212	26212	1242.	0.	0.	-1242.	859.	986.	50.	120.	2.21	0.22	0.33	54.8	2.22	117.2	0	40.9
GTR216	26212	842.	0.	0.	-842.	687.	411.	50.	50.	1.83	0.22	0.23	41.8	1.70	119.5	1	37.8
GTR216	26212	1247.	0.	0.	-1247.	867.	1011.	50.	123.	2.30	0.22	0.34	58.1	2.35	123.9	0	40.9
GTRW08	26212	892.	0.	0.	-892.	687.	411.	50.	50.	1.90	0.22	0.19	44.2	1.79	121.2	0	40.0
GTRW08	26212	1731.	0.	0.	-1731.	1001.	1462.	50.	178.	2.69	0.22	0.30	71.3	2.89	116.8	0	50.2
GTRW12	26212	877.	0.	0.	-877.	687.	411.	50.	50.	1.89	0.22	0.20	44.2	1.79	122.6	0	39.4
GTRW12	26212	1693.	0.	0.	-1693.	1008.	1483.	50.	181.	2.70	0.22	0.32	71.7	2.91	119.6	0	48.4
GTRW16	26212	874.	0.	0.	-874.	687.	411.	50.	50.	1.91	0.22	0.20	44.9	1.82	125.0	0	39.4
GTRW16	26212	1597.	0.	0.	-1597.	974.	1372.	50.	167.	2.49	0.22	0.32	63.7	2.58	111.5	0	46.3
GTR308	26212	907.	0.	0.	-907.	687.	411.	50.	50.	1.88	0.22	0.17	43.0	1.74	116.5	0	40.4
GTR308	26212	1496.	0.	0.	-1496.	898.	1116.	50.	136.	2.25	0.22	0.20	54.9	2.23	101.3	0	47.4

DATE 06/08/77
 CASE-PEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTR312	26212	069.	0.	0.	-869.	687.	411.	50.	50.	1.86	0.22	0.21	42.9	1.74	119.9	0	38.9	1.05 145
GTR312	26212	1448.	0.	0.	-1448.	921.	1192.	50.	145.	2.27	0.22	0.31	56.0	2.27	106.1	0	44.0	1.19 132
GTR316	26212	870.	0.	0.	-870.	687.	411.	50.	50.	1.89	0.22	0.21	43.8	1.77	122.1	0	39.1	1.05 144
GTR316	26212	1438.	0.	0.	-1438.	915.	1173.	50.	143.	2.31	0.22	0.31	57.3	2.32	109.1	0	44.2	1.19 132
FCPADS	26212	924.	0.	0.	-924.	687.	411.	50.	50.	6.71	0.22	0.16	57.1	2.31	152.6	0	47.3	1.28 139
FCPADS	26212	2824.	0.	0.	-2824.	1336.	2582.	50.	314.	34.74	0.22	0.28	189.6	7.68	203.7	0	109.2	2.94 138
FCMCDS	26212	865.	0.	0.	-865.	687.	411.	50.	50.	6.39	0.22	0.21	59.1	2.40	165.6	0	45.0	1.21 143
FCMCDS	26212	2060.	0.	0.	-2060.	1175.	2042.	50.	249.	26.14	0.22	0.36	164.2	6.65	232.2	0	82.1	2.21 136

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	WRTH
								MW	MW		RATIO		*10**6				ENRG	
ONOCGN	26214	0.	530.	238.	0.	0.	0.	29.	0.	0.96	0.16	0.	21.5	1.00	102.2	0	26.6	1.00 80
STM141	26214	0.	575.	0.	0.	-45.	238.	29.	29.	1.40	0.16	0.25	24.4	1.14	100.0	73	21.6	0.81 154
STM141	26214	0.	615.	0.	0.	-61.	320.	29.	39.	1.17	0.16	0.30	24.2	1.13	94.4	91	20.7	0.78 147
STM141	26214	0.	0.	575.	0.	530.	-337.	F 29.	29.	3.00	0.16	0.25	48.8	2.27	199.5	22	18.5	0.69 136
STM141	26214	0.	0.	615.	0.	554.	-295.	F 29.	39.	2.75	0.16	0.30	52.2	2.43	203.9	22	17.4	0.65 128
STM141	26214	0.	0.	575.	0.	530.	-337.	A 29.	29.	2.94	0.16	0.25	43.6	2.03	178.3	26	17.9	0.67 137
STM141	26214	0.	0.	615.	0.	554.	-295.	A 29.	39.	2.50	0.16	0.30	37.0	1.72	144.6	40	15.5	0.58 132
STM088	26214	0.	575.	2.	0.	-45.	236.	29.	29.	1.10	0.16	0.25	21.9	1.02	89.7	999	21.1	0.79 145
STM088	26214	0.	1.	576.	0.	529.	-338.	F 29.	29.	2.58	0.16	0.25	48.8	2.27	200.1	22	18.1	0.68 125
STM088	26214	0.	1.	576.	0.	529.	-338.	A 29.	29.	2.42	0.16	0.25	35.6	1.66	145.9	40	16.5	0.62 129
PFBSTM	26214	0.	0.	579.	0.	530.	-341.	29.	29.	3.70	0.16	0.25	51.1	2.38	208.2	19	19.5	0.73 135
PFBSTM	26214	0.	0.	716.	0.	611.	-206.	29.	62.	4.26	0.16	0.36	52.2	2.43	182.7	24	16.2	0.61 129
TISTMT	26214	0.	578.	0.	0.	-48.	238.	29.	29.	2.67	0.16	0.25	73.7	3.43	300.3	2	28.3	1.06 138
TISTMT	26214	0.	676.	0.	0.	-88.	434.	29.	53.	3.39	0.16	0.34	101.2	4.71	369.2	0	30.4	1.14 133
TISTMT	26214	0.	0.	578.	0.	530.	-340.	29.	29.	4.27	0.16	0.25	99.7	4.64	406.6	6	25.3	0.95 132
TISTMT	26214	0.	0.	799.	0.	661.	-121.	29.	83.	5.79	0.16	0.40	169.3	7.88	546.1	4	27.9	1.05 125
TIHRSG	26214	0.	703.	0.	0.	-173.	238.	29.	29.	3.14	0.16	0.08	98.0	4.56	377.3	0	35.0	1.31 120
TIHRSG	26214	0.	614.	34.	0.	-84.	204.	29.	25.	2.92	0.16	0.16	88.9	4.14	351.6	0	32.1	1.20 117
TIHRSG	26214	0.	0.	628.	0.	530.	-390.	29.	29.	4.97	0.16	0.18	131.9	6.14	507.6	2	30.4	1.14 125
TIHRSG	26214	0.	0.	686.	0.	554.	-356.	29.	39.	5.07	0.16	0.22	149.5	6.96	540.1	1	31.5	1.18 118
STIRL	26214	631.	0.	0.	-631.	530.	238.	29.	29.	1.74	0.16	0.18	38.4	1.79	147.3	0	29.4	1.11 142
STIRL	26214	817.	0.	0.	-817.	607.	496.	29.	60.	2.09	0.16	0.26	50.5	2.35	160.3	0	32.0	1.20 132
STIRL	26214	0.	631.	0.	0.	-101.	238.	29.	29.	1.74	0.16	0.18	38.4	1.79	147.4	11	25.1	0.94 138
STIRL	26214	0.	817.	0.	0.	-211.	496.	29.	60.	2.09	0.16	0.26	50.6	2.36	160.5	6	26.3	0.99 126
STIRL	26214	0.	0.	631.	0.	530.	-393.	29.	29.	3.38	0.16	0.18	64.1	2.98	245.6	13	21.3	0.80 125
STIRL	26214	0.	0.	1020.	0.	690.	-245.	29.	94.	4.67	0.16	0.30	117.4	5.46	313.3	8	22.5	0.84 107
HEGT85	26214	0.	0.	724.	0.	530.	-486.	A 29.	29.	3.79	0.16	0.06	82.1	3.82	285.0	6	25.5	0.96 110
HEGT85	26214	0.	0.	4901.	0.	1649.	-915.	A 29.	485.	18.23	0.16	0.13	487.4	22.68	322.3	0	69.4	2.60 99
HEGT60	26214	0.	0.	710.	0.	530.	-472.	A 29.	29.	3.73	0.16	0.08	79.3	3.69	279.4	7	24.9	0.94 112
HEGT60	26214	0.	0.	1840.	0.	850.	-532.	A 29.	159.	7.23	0.16	0.15	179.2	8.34	291.4	0	34.0	1.28 82
HEGT00	26214	0.	0.	698.	0.	530.	-460.	A 29.	29.	3.67	0.16	0.09	75.6	3.52	269.5	8	24.2	0.91 114
HEGT00	26214	0.	0.	990.	0.	617.	-461.	A 29.	64.	4.25	0.16	0.14	98.3	4.58	268.7	6	25.6	0.96 100
FCMCCL	26214	0.	0.	862.	0.	530.	-624.	29.	29.	4.02	0.16	-0.12	73.4	3.42	290.7	3	27.5	1.03 91
FCMCCL	26214	0.	0.	1289.	0.	740.	-346.	29.	115.	6.89	0.16	0.23	119.0	5.54	315.0	5	26.3	0.99 97
FCSTCL	26214	0.	0.	855.	0.	530.	-617.	29.	29.	3.92	0.16	-0.11	71.2	3.31	284.1	4	27.0	1.01 92
FCSTCL	26214	0.	0.	1562.	0.	895.	-102.	29.	178.	8.45	0.16	0.34	145.3	6.76	317.6	7	23.4	0.88 95
IGGTST	26214	0.	0.	890.	0.	530.	-652.	29.	29.	3.32	0.16	-0.16	68.4	3.18	262.1	5	26.7	1.00 87
IGGTST	26214	0.	0.	1456.	0.	763.	-436.	29.	124.	3.87	0.16	0.18	115.4	5.37	270.4	7	24.0	0.90 87
GTSOAR	26214	0.	630.	0.	0.	-100.	238.	29.	29.	1.49	0.16	0.18	31.4	1.46	120.7	20	24.1	0.90 141
GTSOAR	26214	0.	920.	0.	0.	-269.	642.	29.	78.	1.76	0.16	0.29	40.0	1.86	115.7	12	24.5	0.92 128
GTAC08	26214	0.	603.	0.	0.	-74.	238.	29.	29.	1.44	0.16	0.21	29.5	1.37	116.8	30	23.0	0.86 146
GTAC08	26214	0.	758.	0.	0.	-152.	492.	29.	60.	1.50	0.16	0.31	30.8	1.43	103.3	32	21.9	0.82 139
GTAC12	26214	0.	606.	0.	0.	-76.	238.	29.	29.	1.46	0.16	0.21	30.2	1.41	119.3	27	23.2	0.87 145

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&H	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG
								MW	MW		RATIO		*10**6				ENRG
GTAC12	26214	0.	840.	0.	0.	-197.	617.	29.	75.	1.64	0.16	0.33	35.6	1.66	110.5	23	22.1
GTAC16	26214	0.	609.	0.	0.	-79.	238.	29.	29.	1.48	0.16	0.21	31.1	1.45	122.1	24	23.4
GTAC16	26214	0.	902.	0.	0.	-234.	701.	29.	85.	1.75	0.16	0.34	39.8	1.85	117.0	18	22.6
GTWC16	26214	0.	623.	0.	0.	-93.	238.	29.	29.	1.48	0.16	0.19	30.9	1.44	119.6	22	23.8
GTWC16	26214	0.	964.	0.	0.	-287.	731.	29.	89.	1.73	0.16	0.32	38.2	1.78	106.7	16	23.6
CC1626	26214	0.	625.	0.	0.	-95.	238.	29.	29.	1.58	0.16	0.19	31.1	1.45	120.2	20	24.0
CC1626	26214	0.	1276.	0.	0.	-467.	1173.	29.	143.	2.26	0.16	0.36	51.7	2.41	115.0	9	24.8
CC1622	26214	0.	618.	0.	0.	-88.	238.	29.	29.	1.58	0.16	0.20	31.1	1.45	121.1	21	23.8
CC1622	26214	0.	1163.	0.	0.	-389.	1056.	29.	129.	2.23	0.16	0.36	52.3	2.44	125.6	10	24.1
CC1222	26214	0.	616.	0.	0.	-86.	238.	29.	29.	1.57	0.16	0.20	30.5	1.42	118.8	22	23.7
CC1222	26214	0.	1154.	0.	0.	-381.	1051.	29.	128.	2.19	0.16	0.37	49.7	2.32	120.1	12	23.6
CC0822	26214	0.	606.	0.	0.	-76.	238.	29.	29.	1.56	0.16	0.21	30.3	1.41	119.6	24	23.3
CC0822	26214	0.	975.	0.	0.	-266.	838.	29.	102.	1.92	0.16	0.37	40.3	1.88	111.5	19	21.9
STIG15	26214	0.	715.	0.	0.	-185.	238.	29.	29.	1.82	0.16	0.07	34.5	1.61	120.9	0	27.3
STIG15	26214	0.	30000.	0.	0.	-21326.	27503.	29.	3350.	50.80	0.16	0.17	826.8	38.48	93.2	0	410.6
STIG10	26214	0.	691.	0.	0.	-161.	238.	29.	29.	1.63	0.16	0.10	30.3	1.41	109.0	10	26.0
STIG10	26214	0.	2943.	0.	0.	-1725.	2543.	29.	310.	5.18	0.16	0.22	97.2	4.53	103.6	0	50.9
STIG1S	26214	0.	681.	0.	0.	-151.	238.	29.	29.	1.64	0.16	0.11	29.9	1.39	108.7	13	25.6
STIG1S	26214	0.	1850.	0.	0.	-946.	1492.	29.	182.	3.48	0.16	0.23	59.4	2.76	96.1	0	36.7
DEADV3	26214	0.	661.	0.	0.	-131.	238.	29.	29.	1.77	0.16	0.14	40.5	1.88	150.1	6	26.3
DEADV3	26214	0.	1903.	0.	0.	-936.	1698.	29.	207.	4.56	0.16	0.29	141.9	6.61	224.1	0	43.2
DEHTPM	26214	0.	609.	0.	0.	-79.	238.	29.	29.	1.87	0.16	0.21	41.8	1.95	164.5	11	24.9
DEHTPM	26214	0.	910.	0.	0.	-237.	716.	29.	87.	2.01	0.16	0.34	74.7	3.48	218.0	4	27.2
DESQA3	26214	678.	0.	0.	-678.	530.	238.	29.	29.	1.90	0.16	0.12	45.2	2.10	164.8	0	32.1
DESQA3	26214	2281.	0.	0.	-2281.	1051.	1981.	29.	241.	6.10	0.16	0.25	201.6	9.38	270.8	0	71.6
DESQA3	26214	0.	678.	0.	0.	-148.	238.	29.	29.	1.90	0.16	0.12	45.2	2.10	164.8	2	27.4
DESQA3	26214	0.	2281.	0.	0.	-1230.	1981.	29.	241.	6.10	0.16	0.25	201.6	9.38	270.8	0	55.9
GTSQAD	26214	614.	0.	0.	-614.	530.	238.	29.	29.	1.43	0.16	0.20	29.0	1.35	113.3	0	27.5
GTSQAD	26214	847.	0.	0.	-847.	637.	595.	29.	72.	1.55	0.16	0.31	32.0	1.49	90.9	0	28.2
GTRA08	26214	626.	0.	0.	-626.	530.	238.	29.	29.	1.51	0.16	0.10	32.3	1.50	124.6	0	28.4
GTRA08	26214	1160.	0.	0.	-1160.	756.	996.	29.	121.	2.10	0.16	0.34	51.8	2.41	124.7	0	33.1
GTRA12	26214	623.	0.	0.	-623.	530.	238.	29.	29.	1.51	0.16	0.19	32.5	1.51	126.0	0	28.3
GTRA12	26214	1127.	0.	0.	-1127.	749.	970.	29.	118.	2.10	0.16	0.34	52.3	2.43	128.8	0	32.5
GTRA16	26214	621.	0.	0.	-621.	530.	238.	29.	29.	1.53	0.16	0.19	33.3	1.55	129.2	0	28.3
GTRA16	26214	1076.	0.	0.	-1076.	729.	904.	29.	110.	2.10	0.16	0.34	52.4	2.44	133.9	0	32.2
GTR208	26214	622.	0.	0.	-622.	530.	238.	29.	29.	1.48	0.16	0.19	31.3	1.46	121.2	0	28.1
GTR208	26214	970.	0.	0.	-970.	682.	747.	29.	91.	1.84	0.16	0.32	42.7	1.99	118.7	0	30.7
GTR212	26214	622.	0.	0.	-622.	530.	238.	29.	29.	1.50	0.16	0.19	31.0	1.48	123.3	0	28.2
GTR212	26214	1009.	0.	0.	-1009.	698.	801.	29.	98.	1.91	0.16	0.33	45.4	2.11	122.3	0	31.2
GTR216	26214	619.	0.	0.	-619.	530.	238.	29.	29.	1.51	0.16	0.19	32.5	1.51	126.2	0	28.1
GTR216	26214	1013.	0.	0.	-1013.	704.	821.	29.	100.	1.98	0.16	0.34	48.2	2.24	129.2	0	31.2
GTRW08	26214	649.	0.	0.	-649.	530.	238.	29.	29.	1.51	0.16	0.16	32.2	1.50	121.0	0	29.2
GTRW08	26214	1406.	0.	0.	-1406.	814.	1188.	29.	145.	2.18	0.16	0.30	53.7	2.50	110.1	0	36.1
GTRW12	26214	640.	0.	0.	-640.	530.	238.	29.	29.	1.50	0.16	0.17	32.2	1.50	122.1	0	28.9

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN***																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW12	26214	1376.	0.	0.	-1376.	819.	1205.	29.	147.	2.18	0.16	0.32	54.0	2.51	112.8	0	36.6	1.37	121
GTRW16	26214	638.	0.	0.	-638.	530.	238.	29.	29.	1.52	0.16	0.17	32.7	1.52	124.4	0	28.9	1.08	143
GTRW16	26214	1297.	0.	0.	-1297.	792.	1115.	29.	136.	2.16	0.16	0.32	53.5	2.49	117.2	0	35.7	1.34	122
GTR308	26214	658.	0.	0.	-658.	530.	238.	29.	29.	1.50	0.16	0.14	31.4	1.46	116.8	0	29.4	1.11	142
GTR308	26214	1216.	0.	0.	-1216.	730.	907.	29.	110.	1.90	0.16	0.26	43.6	2.03	100.9	0	36.2	1.36	124
GTR312	26214	635.	0.	0.	-635.	530.	238.	29.	29.	1.49	0.16	0.17	31.3	1.46	119.6	0	28.6	1.07	145
GTR312	26214	1177.	0.	0.	-1177.	740.	968.	29.	118.	1.97	0.16	0.31	46.7	2.18	111.1	0	33.7	1.27	126
GTR316	26214	636.	0.	0.	-636.	530.	238.	29.	29.	1.50	0.16	0.17	32.0	1.49	121.8	0	28.7	1.08	144
GTR316	26214	1169.	0.	0.	-1169.	744.	953.	29.	116.	2.00	0.16	0.31	47.9	2.23	114.4	0	33.9	1.27	126
FCPADS	26214	667.	0.	0.	-667.	530.	238.	29.	29.	4.23	0.16	0.13	38.6	1.80	142.2	0	33.3	1.25	139
FCPADS	26214	2294.	0.	0.	-2294.	1085.	2098.	29.	255.	28.29	0.16	0.28	153.7	7.15	205.5	0	86.5	3.25	141
FCMCDS	26214	633.	0.	0.	-633.	530.	238.	29.	29.	4.04	0.16	0.18	39.8	1.85	152.3	0	32.0	1.20	143
FCMCDS	26214	1674.	0.	0.	-1674.	954.	1659.	29.	202.	21.30	0.16	0.36	133.2	6.20	235.2	0	64.5	2.42	135

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	26216	0.	410.	164.	0.	0.	0.	20.	0.	0.65	0.22	0.	12.4	1.00	117.0	0	19.5	1.00 80
STM141	26216	0.	439.	15.	0.	-20.	149.	20.	18.	0.79	0.22	0.21	13.1	1.06	102.9	157	16.1	0.83 140
STM141	26216	0.	5.	449.	0.	406.	-285.	F 20.	18.	1.66	0.22	0.21	27.1	2.19	213.0	29	12.9	0.66 120
STM141	26216	0.	5.	449.	0.	406.	-285.	A 20.	18.	1.49	0.22	0.21	19.5	1.58	153.7	54	11.9	0.61 125
STM088	26216	0.	431.	57.	0.	-20.	107.	20.	13.	0.78	0.22	0.15	13.1	1.06	107.9	114	17.1	0.88 132
STM088	26216	0.	17.	471.	0.	393.	-306.	F 20.	13.	1.56	0.22	0.15	25.1	2.02	206.8	28	13.9	0.71 114
STM088	26216	0.	17.	471.	0.	393.	-306.	A 20.	13.	1.44	0.22	0.15	18.5	1.49	152.6	54	13.0	0.67 119
PFBSTM	26216	0.	0.	444.	0.	410.	-280.	20.	20.	2.59	0.22	0.23	34.3	2.77	263.5	19	14.2	0.73 130
PFBSTM	26216	0.	0.	485.	0.	434.	-241.	20.	30.	2.51	0.22	0.29	32.6	2.64	229.9	23	12.8	0.66 124
TISTMT	26216	0.	444.	0.	0.	-33.	164.	20.	20.	1.97	0.22	0.23	51.7	4.18	397.9	1	21.1	1.09 134
TISTMT	26216	0.	525.	0.	0.	-66.	326.	20.	40.	2.49	0.22	0.33	79.2	6.40	514.8	0	23.3	1.20 129
TISTMT	26216	0.	0.	444.	0.	410.	-279.	20.	20.	3.11	0.22	0.23	72.2	5.83	555.4	6	18.8	0.97 127
TISTMT	26216	0.	0.	525.	0.	459.	-199.	20.	40.	3.56	0.22	0.33	100.3	8.10	652.2	4	19.9	1.02 123
TIHRS0	26216	0.	476.	3.	0.	-66.	161.	20.	20.	2.11	0.22	0.17	69.9	5.64	501.7	0	24.1	1.24 116
TIHRS0	26216	0.	1.	479.	0.	409.	-314.	20.	20.	3.12	0.22	0.17	89.6	7.23	642.9	3	21.4	1.10 110
STIRL	26216	480.	0.	0.	-480.	410.	164.	20.	20.	1.18	0.22	0.16	21.6	1.74	153.4	0	21.4	1.10 140
STIRL	26216	643.	0.	0.	-643.	478.	390.	20.	48.	1.34	0.22	0.26	34.4	2.77	182.2	0	23.7	1.22 127
STIRL	26216	0.	480.	0.	0.	-70.	164.	20.	20.	1.18	0.22	0.16	21.6	1.74	153.5	14	18.1	0.93 136
STIRL	26216	0.	643.	0.	0.	-166.	390.	20.	48.	1.34	0.22	0.26	34.4	2.78	182.5	5	19.3	0.99 121
STIRL	26216	0.	0.	480.	0.	410.	-316.	20.	20.	2.32	0.22	0.16	41.0	3.31	291.7	14	15.2	0.78 121
STIRL	26216	0.	0.	643.	0.	478.	-253.	20.	48.	2.64	0.22	0.26	60.5	4.89	320.9	11	15.1	0.78 108
HEGT85	26216	0.	0.	544.	0.	410.	-380.	A 20.	20.	2.73	0.22	0.05	59.3	4.78	371.6	6	18.8	0.97 107
HEGT63	26216	0.	0.	2597.	0.	960.	-591.	A 20.	244.	9.43	0.22	0.12	245.2	19.80	322.3	0	38.5	1.98 83
HEGT60	26216	0.	0.	535.	0.	410.	-370.	A 20.	20.	2.67	0.22	0.07	56.9	4.59	363.2	7	18.3	0.94 109
HEGT60	26216	0.	0.	1056.	0.	558.	-398.	A 20.	80.	4.33	0.22	0.13	110.3	8.91	356.4	1	23.3	1.20 85
HEGT00	26216	0.	0.	526.	0.	410.	-362.	A 20.	20.	2.56	0.22	0.08	53.0	4.27	343.5	8	17.6	0.91 111
HEGT00	26216	0.	0.	629.	0.	441.	-362.	A 20.	32.	2.57	0.22	0.11	60.5	4.88	328.3	7	17.8	0.92 106
FCMCCL	26216	0.	0.	461.	0.	410.	-296.	20.	20.	2.81	0.22	0.20	50.4	4.07	373.3	10	16.6	0.85 124
FCMCCL	26216	0.	0.	649.	0.	503.	-174.	20.	58.	3.96	0.22	0.34	72.2	5.83	379.8	9	16.1	0.83 113
FCSTCL	26216	0.	0.	456.	0.	410.	-292.	20.	20.	2.78	0.22	0.21	49.1	3.98	367.0	10	16.3	0.84 125
FCSTCL	26216	0.	0.	775.	0.	575.	-61.	20.	87.	4.82	0.22	0.40	87.0	7.02	383.0	9	15.2	0.78 108
IGGTST	26216	0.	0.	481.	0.	410.	-317.	20.	20.	2.40	0.22	0.16	47.9	3.87	340.0	11	16.2	0.83 120
IGGTST	26216	0.	0.	723.	0.	509.	-227.	20.	60.	2.48	0.22	0.28	67.5	5.45	318.7	10	14.9	0.77 104
GTSOAR	26216	0.	479.	0.	0.	-69.	164.	20.	20.	1.03	0.22	0.17	18.0	1.45	128.3	24	17.6	0.90 139
GTSOAR	26216	0.	724.	0.	0.	-212.	505.	20.	62.	1.07	0.22	0.29	26.1	2.11	123.0	12	17.9	0.92 122
GTAC08	26216	0.	461.	0.	0.	-51.	164.	20.	20.	0.99	0.22	0.20	16.6	1.34	122.6	38	16.8	0.86 144
GTAC08	26216	0.	597.	0.	0.	-120.	388.	20.	47.	0.90	0.22	0.31	20.3	1.64	115.9	29	16.0	0.82 133
GTAC12	26216	0.	463.	0.	0.	-53.	164.	20.	20.	1.00	0.22	0.19	17.0	1.37	125.1	34	16.9	0.87 144
GTAC12	26216	0.	661.	0.	0.	-155.	485.	20.	59.	1.01	0.22	0.33	24.1	1.95	124.5	21	16.2	0.83 128
GTAC16	26216	0.	465.	0.	0.	-55.	164.	20.	20.	1.01	0.22	0.19	17.6	1.42	128.8	30	17.1	0.88 142
GTAC16	26216	0.	710.	0.	0.	-184.	552.	20.	67.	1.11	0.22	0.34	27.6	2.23	132.7	17	16.6	0.85 124
GTWC16	26216	0.	475.	0.	0.	-64.	164.	20.	20.	1.02	0.22	0.17	17.7	1.42	126.9	27	17.4	0.89 141
GTWC16	26216	0.	759.	0.	0.	-226.	575.	20.	70.	1.09	0.22	0.32	26.7	2.15	120.0	14	17.4	0.89 121

DATE 06/08/77
CASE-PEO-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
CC1626	26216	0.	476.	0.	0.	-66.	164.	20.	20.	1.12	0.22	0.17	17.8	1.44	127.7	23	17.6	0.90 140
CC1626	26216	0.	991.	0.	0.	-361.	900.	20.	110.	1.50	0.22	0.35	35.7	2.88	123.0	9	18.2	0.94 110
CC1622	26216	0.	471.	0.	0.	-61.	164.	20.	20.	1.11	0.22	0.18	17.7	1.42	127.8	25	17.4	0.89 141
CC1622	26216	0.	904.	0.	0.	-300.	810.	20.	99.	1.46	0.22	0.36	35.6	2.87	134.4	10	17.7	0.91 113
CC1222	26216	0.	470.	0.	0.	-60.	164.	20.	20.	1.10	0.22	0.18	17.2	1.39	124.7	27	17.3	0.89 142
CC1222	26216	0.	896.	0.	0.	-294.	806.	20.	98.	1.43	0.22	0.36	33.7	2.72	128.3	12	17.3	0.89 114
CC0822	26216	0.	463.	0.	0.	-52.	164.	20.	20.	1.10	0.22	0.19	17.2	1.39	126.7	30	17.1	0.88 144
CC0822	26216	0.	757.	0.	0.	-205.	640.	20.	78.	1.26	0.22	0.37	27.9	2.26	126.0	17	16.2	0.83 122
ST1015	26216	0.	538.	0.	0.	-127.	164.	20.	20.	1.31	0.22	0.06	22.1	1.78	140.3	0	20.1	1.03 126
ST1015	26216	0.	23615.	0.	0.	-16787.	21650.	20.	2637.	39.96	0.22	0.17	651.1	52.57	94.1	0	322.7	16.58 452
ST1010	26216	0.	522.	0.	0.	-111.	164.	20.	20.	1.16	0.22	0.09	18.4	1.49	120.6	10	19.0	0.98 132
ST1010	26216	0.	2317.	0.	0.	-1358.	2002.	20.	244.	3.83	0.22	0.22	72.6	5.86	107.0	0	38.8	2.00 102
ST1015	26216	0.	514.	0.	0.	-104.	164.	20.	20.	1.16	0.22	0.10	18.1	1.46	120.4	12	18.8	0.97 133
ST1015	26216	0.	1456.	0.	0.	-744.	1175.	20.	143.	2.51	0.22	0.23	44.3	3.58	103.9	0	27.8	1.43 99
DEADV3	26216	0.	501.	0.	0.	-91.	164.	20.	20.	1.24	0.22	0.13	24.3	1.97	165.9	7	19.1	0.98 130
DEADV3	26216	0.	1498.	0.	0.	-737.	1337.	20.	163.	3.32	0.22	0.29	106.9	8.63	243.5	0	32.7	1.68 102
DEHTPM	26216	0.	465.	0.	0.	-54.	164.	20.	20.	1.28	0.22	0.19	23.9	1.93	175.4	13	18.0	0.92 137
DEHTPM	26216	0.	717.	0.	0.	-187.	564.	20.	69.	1.92	0.22	0.34	53.4	4.31	254.4	4	20.0	1.03 118
DESOA3	26216	512.	0.	0.	0.	-512.	410.	20.	20.	1.33	0.22	0.11	27.6	2.23	184.0	0	23.4	1.20 131
DESOA3	26216	1796.	0.	0.	0.	-1796.	827.	20.	190.	4.54	0.22	0.25	154.0	12.43	292.6	0	55.1	2.83 123
DESOA3	26216	0.	512.	0.	0.	-102.	164.	20.	20.	1.33	0.22	0.11	27.6	2.23	184.0	2	19.9	1.02 127
DESOA3	26216	0.	1796.	0.	0.	-968.	1560.	20.	190.	4.54	0.22	0.25	154.0	12.43	292.6	0	42.7	2.19 107
OTSOAD	26216	468.	0.	0.	0.	-468.	410.	20.	20.	0.98	0.22	0.18	16.1	1.30	117.3	0	20.2	1.04 148
OTSOAD	26216	667.	0.	0.	0.	-667.	501.	20.	57.	0.94	0.22	0.31	21.3	1.72	109.0	0	21.0	1.08 135
OTRA08	26216	477.	0.	0.	0.	-477.	410.	20.	20.	1.04	0.22	0.17	18.6	1.50	133.3	0	20.9	1.07 143
OTRA08	26216	913.	0.	0.	0.	-913.	595.	20.	96.	1.41	0.22	0.34	38.1	3.07	142.2	0	25.0	1.28 120
OTRA12	26216	474.	0.	0.	0.	-474.	410.	20.	20.	1.04	0.22	0.17	18.7	1.51	134.9	0	20.8	1.07 144
OTRA12	26216	867.	0.	0.	0.	-867.	589.	20.	93.	1.36	0.22	0.34	36.2	2.93	139.5	0	24.2	1.24 121
OTRA16	26216	473.	0.	0.	0.	-473.	410.	20.	20.	1.06	0.22	0.18	19.3	1.56	139.4	0	20.8	1.07 143
OTRA16	26216	847.	0.	0.	0.	-847.	574.	20.	87.	1.35	0.22	0.34	36.4	2.94	146.5	0	24.0	1.23 122
OTR208	26216	474.	0.	0.	0.	-474.	410.	20.	20.	1.02	0.22	0.18	17.8	1.44	128.5	0	20.6	1.06 145
OTR208	26216	764.	0.	0.	0.	-764.	537.	20.	72.	1.13	0.22	0.32	28.3	2.29	126.6	0	22.7	1.17 127
OTR212	26216	474.	0.	0.	0.	-474.	410.	20.	20.	1.03	0.22	0.17	18.2	1.47	131.3	0	20.7	1.06 144
OTR212	26216	794.	0.	0.	0.	-794.	550.	20.	77.	1.20	0.22	0.33	30.6	2.47	131.4	0	23.2	1.19 125
OTR216	26216	472.	0.	0.	0.	-472.	410.	20.	20.	1.04	0.22	0.18	18.7	1.51	135.2	0	20.7	1.06 144
OTR216	26216	797.	0.	0.	0.	-797.	554.	20.	79.	1.25	0.22	0.34	32.8	2.65	140.3	0	23.2	1.19 124
OTRW08	26216	492.	0.	0.	0.	-492.	410.	20.	20.	1.05	0.22	0.14	18.6	1.50	129.0	0	21.4	1.10 141
OTRW08	26216	1107.	0.	0.	0.	-1107.	640.	20.	114.	1.43	0.22	0.30	37.9	3.06	116.8	0	28.7	1.47 115
OTRW12	26216	486.	0.	0.	0.	-486.	410.	20.	20.	1.04	0.22	0.15	18.6	1.50	130.5	0	21.2	1.09 142
OTRW12	26216	1083.	0.	0.	0.	-1033.	644.	20.	116.	1.44	0.22	0.32	38.1	3.08	120.2	0	27.5	1.41 116
OTRW16	26216	485.	0.	0.	0.	-485.	410.	20.	20.	1.05	0.22	0.16	19.0	1.54	134.0	0	21.2	1.09 142
OTRW16	26216	1021.	0.	0.	0.	-1021.	623.	20.	107.	1.41	0.22	0.32	37.7	3.04	125.9	0	26.8	1.38 117
OTR308	26216	498.	0.	0.	0.	-498.	410.	20.	20.	1.03	0.22	0.13	17.9	1.45	122.9	0	21.6	1.11 141
OTR308	26216	957.	0.	0.	0.	-957.	574.	20.	87.	1.24	0.22	0.26	31.2	2.52	111.2	0	27.4	1.41 118

DATE 06/03/71
CASE-TEC-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**								POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$ /KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL												
GTR312	26216	483.	0.	0.	-483.	410.	164.	20.	20.	1.03	0.22	0.16	18.0	1.45	126.9	0	21.0	1.08	143
GTR312	26216	926.	0.	0.	-926.	589.	762.	20.	93.	1.25	0.22	0.31	31.9	2.58	117.6	0	25.2	1.29	120
GTR316	26216	483.	0.	0.	-483.	410.	164.	20.	20.	1.04	0.22	0.16	18.4	1.49	130.2	0	21.1	1.08	143
GTR316	26216	920.	0.	0.	-920.	585.	750.	20.	91.	1.28	0.22	0.31	32.9	2.66	122.1	0	25.4	1.30	120
FCPADS	26216	505.	0.	0.	-505.	410.	164.	20.	20.	2.90	0.22	0.12	23.0	1.86	155.6	0	24.2	1.25	137
FCPADS	26216	1806.	0.	0.	-1806.	854.	1651.	20.	201.	21.96	0.22	0.28	116.5	9.40	220.1	0	66.8	3.43	143
FCMCDS	26216	481.	0.	0.	-481.	410.	164.	20.	20.	2.77	0.22	0.16	23.8	1.92	168.6	0	23.3	1.20	140
FCMCDS	26216	1318.	0.	0.	-1318.	751.	1306.	20.	159.	16.44	0.22	0.36	99.9	8.07	258.8	0	49.4	2.54	134

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
ONOCGN	26217	0.	292.	257.	0.	0.	0.	31.	0.	0.43	0.58	0.	5.8	1.00	91.4	0	17.7	1.00	80
STM141	26217	0.	307.	176.	0.	-15.	81.	31.	10.	0.62	0.58	0.12	9.2	1.60	123.5	26	16.3	0.92	113
STM141	26217	0.	53.	431.	0.	239.	-174.	F	31.	1.22	0.58	0.12	18.6	3.23	249.3	19	14.7	0.83	98
STM141	26217	0.	53.	431.	0.	239.	-174.	A	31.	1.09	0.58	0.12	13.9	2.42	186.8	29	14.1	0.79	102
STM088	26217	0.	303.	200.	0.	-11.	57.	31.	7.	0.59	0.58	0.08	8.2	1.42	114.8	25	16.8	0.95	103
STM088	26217	0.	60.	443.	0.	232.	-186.	F	31.	1.16	0.58	0.08	17.1	2.97	240.8	18	15.2	0.86	92
STM088	26217	0.	60.	443.	0.	232.	-186.	A	31.	1.05	0.58	0.08	13.1	2.28	184.5	27	14.7	0.83	95
PEBSTM	26217	0.	36.	405.	0.	256.	-148.		31.	1.73	0.58	0.20	22.9	3.97	274.1	18	14.0	0.79	109
TISTMT	26217	0.	330.	72.	0.	-38.	185.	31.	23.	1.76	0.58	0.27	53.1	9.21	588.3	1	19.8	1.11	121
TISTMT	26217	0.	22.	380.	0.	270.	-123.	31.	23.	2.50	0.58	0.27	67.5	11.71	747.4	4	18.1	1.02	117
TIHRSG	26217	0.	331.	161.	0.	-39.	96.	31.	12.	1.40	0.58	0.10	47.5	8.23	571.6	0	21.5	1.21	98
TIHRSG	26217	0.	48.	444.	0.	244.	-187.	31.	12.	2.19	0.58	0.10	61.0	10.58	734.5	0	20.2	1.14	94
STIRL	26217	384.	7.	24.	-384.	205.	233.	31.	28.	0.92	0.58	0.24	20.9	3.63	186.1	0	18.5	1.04	125
STIRL	26217	0.	391.	24.	0.	-99.	233.	31.	28.	0.92	0.58	0.24	21.0	3.63	186.4	13	15.8	0.89	122
STIRL	26217	0.	7.	408.	0.	285.	-151.	31.	28.	1.75	0.58	0.24	38.2	6.28	322.2	14	13.3	0.75	112
HEGT85	26217	0.	0.	502.	0.	292.	-245.	A	31.	2.92	0.58	0.09	68.5	11.88	466.0	3	19.2	1.08	108
HEGT85	26217	0.	0.	1548.	0.	572.	-352.	A	31.	6.38	0.58	0.12	169.9	29.46	374.5	0	30.0	1.69	88
HEGT80	26217	0.	0.	487.	0.	292.	-230.	A	31.	2.75	0.58	0.11	63.5	11.01	445.3	4	18.2	1.03	110
HEGT80	26217	0.	0.	630.	0.	333.	-237.	A	31.	2.97	0.58	0.13	76.6	13.28	415.0	3	19.2	1.08	100
HEGT80	26217	0.	29.	473.	0.	263.	-216.	A	31.	1.78	0.58	0.09	41.9	7.27	382.0	7	16.8	0.95	94
FCMCCL	26217	0.	0.	371.	0.	292.	-114.	31.	31.	2.77	0.58	0.32	49.4	8.58	454.8	9	14.8	0.84	133
FCMCCL	26217	0.	0.	387.	0.	300.	-104.	31.	34.	2.65	0.58	0.34	49.7	8.62	438.6	10	14.4	0.81	123
FCSTCL	26217	0.	0.	365.	0.	292.	-108.	31.	31.	2.85	0.58	0.34	50.0	8.67	467.9	9	14.9	0.84	134
FCSTCL	26217	0.	0.	455.	0.	339.	-42.	31.	50.	3.20	0.58	0.39	59.0	10.24	442.6	9	14.1	0.80	126
IGGTST	26217	0.	0.	404.	0.	292.	-147.	31.	31.	2.08	0.58	0.26	46.9	8.13	395.7	10	14.4	0.81	125
IGGTST	26217	0.	0.	424.	0.	300.	-140.	31.	35.	1.85	0.58	0.27	46.9	8.13	377.1	11	13.9	0.78	115
GTSGAR	26217	0.	400.	0.	0.	-103.	257.	31.	31.	0.92	0.58	0.27	17.5	3.04	149.4	19	15.0	0.84	137
GTSGAR	26217	0.	432.	0.	0.	-126.	301.	31.	37.	0.79	0.58	0.29	17.8	3.10	141.1	19	14.8	0.84	128
GTAC08	26217	0.	363.	26.	0.	-71.	231.	31.	28.	0.67	0.58	0.29	13.8	2.39	132.4	30	14.0	0.79	131
GTAC12	26217	0.	374.	0.	0.	-82.	257.	31.	31.	0.87	0.58	0.32	16.1	2.60	147.1	25	14.0	0.79	143
GTAC12	26217	0.	394.	0.	0.	-93.	289.	31.	35.	0.74	0.58	0.33	16.2	2.81	140.2	26	13.7	0.77	134
GTAC16	26217	0.	378.	0.	0.	-66.	257.	31.	31.	0.93	0.58	0.31	17.4	3.01	156.9	22	14.3	0.81	142
GTAC16	26217	0.	423.	0.	0.	-110.	329.	31.	40.	0.81	0.58	0.34	18.5	3.20	148.9	22	14.0	0.79	133
GTWC16	26217	0.	393.	0.	0.	-101.	257.	31.	31.	0.93	0.58	0.28	17.2	2.99	149.7	20	14.8	0.83	139
GTWC16	26217	0.	452.	0.	0.	-135.	343.	31.	42.	0.81	0.58	0.32	18.4	3.19	138.6	20	14.5	0.82	130
CC1626	26217	0.	396.	0.	0.	-104.	257.	31.	31.	1.10	0.58	0.28	18.1	3.15	156.5	17	15.2	0.85	138
CC1626	26217	0.	582.	0.	0.	-210.	522.	31.	64.	1.12	0.58	0.35	24.1	4.18	141.5	13	15.2	0.86	127
CC1622	26217	0.	388.	0.	0.	-96.	257.	31.	31.	1.08	0.58	0.29	18.1	3.14	159.4	18	14.9	0.84	140
CC1622	26217	0.	531.	0.	0.	-175.	469.	31.	57.	1.07	0.58	0.36	23.4	4.06	150.5	15	14.6	0.83	129
CC1222	26217	0.	386.	0.	0.	-94.	257.	31.	31.	1.07	0.58	0.30	17.4	3.02	153.9	20	14.8	0.83	140
CC1222	26217	0.	526.	0.	0.	-171.	466.	31.	57.	1.05	0.58	0.36	22.2	3.85	143.9	16	14.6	0.82	130
CC0822	26217	0.	375.	0.	0.	-83.	257.	31.	31.	1.04	0.58	0.32	16.9	2.94	154.3	22	14.3	0.81	143
CC0822	26217	0.	444.	0.	0.	-119.	369.	31.	45.	0.94	0.58	0.36	18.7	3.25	143.7	22	13.9	0.78	134

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-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG
								MW	MW		RATIO		*10**6				ENRG
STIG15	26217	0.	491.	0.	0.	-199.	257.	31.	31.	1.32	0.58	0.11	18.8	3.25	130.3	0	18.3
STIG15	26217	0.	14077.	0.	0.	-10007.	12905.	31.	1572.	24.36	0.58	0.17	396.0	68.69	96.0	0	197.5
STIG10	26217	0.	466.	0.	0.	-174.	257.	31.	31.	1.19	0.58	0.15	17.7	3.06	129.3	8	17.3
STIG10	26217	0.	1381.	0.	0.	-809.	1193.	31.	145.	2.46	0.58	0.22	44.5	7.72	109.9	0	27.2
STIG1S	26217	0.	455.	0.	0.	-163.	257.	31.	31.	1.18	0.58	0.17	17.1	2.97	128.3	10	16.9
STIG1S	26217	0.	868.	0.	0.	-444.	700.	31.	65.	1.64	0.58	0.23	27.0	4.69	106.3	0	20.6
DEADV3	26217	0.	434.	0.	0.	-142.	257.	31.	31.	1.28	0.58	0.21	26.7	4.62	209.8	6	17.3
DEADV3	26217	0.	893.	0.	0.	-439.	797.	31.	97.	2.16	0.58	0.29	64.6	11.21	247.0	0	23.5
DEHTPM	26217	0.	377.	0.	0.	-85.	257.	31.	31.	1.31	0.58	0.31	27.4	4.76	248.1	11	15.7
DEHTPM	26217	0.	427.	0.	0.	-111.	336.	31.	41.	1.29	0.58	0.34	32.4	5.62	258.8	10	15.9
DESOA3	26217	452.	0.	0.	-452.	292.	257.	31.	31.	1.42	0.58	0.18	31.8	5.52	240.5	0	21.7
DESOA3	26217	1070.	0.	0.	-1070.	493.	930.	31.	113.	2.90	0.58	0.25	92.8	16.10	296.0	0	36.9
DESOA3	26217	0.	452.	0.	0.	-160.	257.	31.	31.	1.42	0.58	0.18	31.8	5.52	240.5	2	18.6
DESOA3	26217	0.	1070.	0.	0.	-577.	930.	31.	113.	2.90	0.58	0.25	92.8	16.10	296.0	0	29.5
GTSOAD	26217	383.	0.	0.	-383.	292.	257.	31.	31.	0.82	0.58	0.30	14.7	2.54	130.6	13	16.7
GTSOAD	26217	397.	0.	0.	-397.	299.	279.	31.	34.	0.70	0.58	0.31	14.4	2.51	124.1	14	16.6
GTRA08	26217	396.	0.	0.	-396.	292.	257.	31.	31.	1.00	0.58	0.29	19.1	3.31	164.3	4	17.9
GTRA08	26217	544.	0.	0.	-544.	355.	468.	31.	57.	0.98	0.58	0.34	24.3	4.22	152.5	0	19.0
GTRA12	26217	392.	0.	0.	-392.	292.	257.	31.	31.	1.01	0.58	0.29	19.3	3.35	168.1	5	17.7
GTRA12	26217	529.	0.	0.	-529.	351.	455.	31.	55.	0.99	0.58	0.34	24.5	4.25	158.2	0	18.7
GTRA16	26217	391.	0.	0.	-391.	292.	257.	31.	31.	1.02	0.58	0.29	20.1	3.48	175.2	5	17.8
GTRA16	26217	505.	0.	0.	-505.	342.	424.	31.	52.	0.98	0.58	0.34	24.6	4.27	166.4	0	18.6
GTR208	26217	391.	0.	0.	-391.	292.	257.	31.	31.	0.95	0.58	0.29	17.7	3.06	154.1	7	17.5
GTR208	26217	455.	0.	0.	-455.	320.	350.	31.	43.	0.83	0.58	0.32	19.2	3.33	144.1	5	17.7
GTR212	26217	392.	0.	0.	-392.	292.	257.	31.	31.	0.97	0.58	0.29	18.3	3.18	159.8	6	17.6
GTR212	26217	473.	0.	0.	-473.	328.	376.	31.	46.	0.88	0.58	0.33	20.8	3.60	149.7	3	18.0
GTR216	26217	389.	0.	0.	-389.	292.	257.	31.	31.	0.99	0.58	0.29	19.1	3.31	167.6	6	17.6
GTR216	26217	475.	0.	0.	-475.	330.	385.	31.	47.	0.91	0.58	0.34	22.1	3.84	158.8	3	18.0
GTRW08	26217	420.	0.	0.	-420.	292.	257.	31.	31.	1.02	0.58	0.23	19.0	3.30	154.4	0	18.8
GTRW08	26217	660.	0.	0.	-660.	382.	557.	31.	68.	1.06	0.58	0.30	26.2	4.54	135.4	0	21.4
GTRW12	26217	411.	0.	0.	-411.	292.	257.	31.	31.	1.01	0.58	0.25	19.0	3.30	157.8	0	18.4
GTRW12	26217	646.	0.	0.	-646.	384.	565.	31.	69.	1.06	0.58	0.32	26.3	4.57	139.3	0	20.7
GTRW16	26217	409.	0.	0.	-409.	292.	257.	31.	31.	1.02	0.58	0.26	19.5	3.39	163.1	0	18.4
GTRW16	26217	609.	0.	0.	-609.	372.	523.	31.	64.	1.04	0.58	0.32	26.1	4.52	146.1	0	20.3
GTR308	26217	430.	0.	0.	-430.	292.	257.	31.	31.	0.98	0.58	0.22	18.0	3.12	142.9	0	19.0
GTR308	26217	570.	0.	0.	-570.	342.	426.	31.	52.	0.92	0.58	0.26	21.4	3.71	128.0	0	20.6
GTR312	26217	406.	0.	0.	-406.	292.	257.	31.	31.	0.98	0.58	0.26	18.0	3.12	151.3	2	18.1
GTR312	26217	552.	0.	0.	-552.	351.	454.	31.	55.	0.93	0.58	0.31	22.0	3.81	135.9	0	19.3
GTR316	26217	407.	0.	0.	-407.	292.	257.	31.	31.	0.99	0.58	0.26	18.6	3.23	156.4	1	18.2
GTR316	26217	548.	0.	0.	-548.	349.	447.	31.	54.	0.95	0.58	0.31	22.7	3.94	141.4	0	19.4
FCPADS	26217	440.	0.	0.	-440.	292.	257.	31.	31.	3.95	0.58	0.20	24.9	4.32	192.9	0	23.1
FCPADS	26217	1076.	0.	0.	-1076.	509.	984.	31.	120.	13.18	0.58	0.28	70.3	12.20	223.0	0	43.7
FCMCDS	26217	403.	0.	0.	-403.	292.	257.	31.	31.	3.74	0.58	0.27	25.0	4.48	218.4	0	21.6
FCMCDS	26217	785.	0.	0.	-785.	448.	779.	31.	95.	9.88	0.58	0.36	60.4	10.48	262.5	0	33.4

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **MCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQLV	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCEN	26218	0.	324.	123.	0.	0.	0.	15.	0.	0.49	0.21	0.	7.0	1.00	82.7	0	14.8	1.00 80
STM141	26218	0.	345.	11.	0.	-21.	113.	15.	14.	0.71	0.21	0.20	11.2	1.61	111.5	30	12.8	0.86 130
STM141	26218	0.	3.	353.	0.	321.	-229.	F 15.	14.	1.44	0.21	0.20	22.9	3.29	228.4	21	10.4	0.70 113
STM141	26218	0.	3.	353.	0.	321.	-229.	A 15.	14.	1.29	0.21	0.20	16.8	2.41	167.4	32	9.6	0.65 117
STM088	26218	0.	339.	43.	0.	-15.	80.	15.	10.	0.67	0.21	0.15	10.0	1.44	104.4	29	13.4	0.90 125
STM088	26218	0.	13.	369.	0.	311.	-246.	F 15.	10.	1.36	0.21	0.15	21.1	3.04	221.1	20	11.1	0.75 107
STM088	26218	0.	13.	369.	0.	311.	-246.	A 15.	10.	1.25	0.21	0.15	15.8	2.28	165.8	31	10.4	0.70 110
PFBSTM	26218	0.	0.	350.	0.	324.	-226.	15.	15.	2.21	0.21	0.22	29.3	4.21	285.8	14	11.6	0.78 125
PFBSTM	26218	0.	0.	382.	0.	343.	-195.	15.	23.	2.12	0.21	0.28	27.8	4.00	248.4	17	10.4	0.70 118
TISTMT	26218	0.	349.	0.	0.	-25.	123.	15.	15.	1.69	0.21	0.22	42.6	6.13	416.7	0	17.0	1.14 130
TISTMT	26218	0.	414.	0.	0.	-51.	253.	15.	31.	2.13	0.21	0.33	66.2	9.53	546.1	0	18.9	1.27 127
TISTMT	26218	0.	0.	349.	0.	324.	-226.	15.	15.	2.67	0.21	0.22	59.9	8.61	585.5	4	15.3	1.03 125
TISTMT	26218	0.	0.	414.	0.	362.	-161.	15.	31.	3.04	0.21	0.33	84.0	12.08	692.8	3	16.4	1.11 121
TIHRSG	26218	0.	374.	0.	0.	-51.	123.	15.	15.	1.00	0.21	0.16	57.9	8.33	527.8	0	19.4	1.31 125
TIHRSG	26218	0.	378.	0.	0.	-53.	128.	15.	16.	1.80	0.21	0.17	58.8	8.46	531.4	0	19.4	1.31 114
TIHRSG	26218	0.	0.	374.	0.	324.	-251.	15.	15.	2.83	0.21	0.16	75.3	10.83	686.4	1	17.6	1.19 120
TIHRSG	26218	0.	0.	378.	0.	325.	-250.	15.	16.	2.66	0.21	0.17	75.5	10.86	681.9	1	17.4	1.17 110
STIRL	26218	376.	0.	0.	-376.	324.	123.	15.	15.	1.02	0.21	0.16	17.2	2.47	156.1	0	16.9	1.14 134
STIRL	26218	511.	0.	0.	-511.	380.	310.	15.	38.	1.13	0.21	0.26	27.6	3.96	183.9	0	18.8	1.27 122
STIRL	26218	0.	376.	0.	0.	-52.	123.	15.	15.	1.02	0.21	0.16	17.2	2.40	156.2	8	14.3	0.97 130
STIRL	26218	0.	511.	0.	0.	-132.	310.	15.	38.	1.13	0.21	0.26	27.6	3.97	184.1	3	15.3	1.03 116
STIRL	26218	0.	0.	376.	0.	324.	-253.	15.	15.	2.00	0.21	0.16	33.8	4.87	307.0	11	12.2	0.82 117
STIRL	26218	0.	0.	511.	0.	380.	-201.	15.	38.	2.21	0.21	0.26	48.9	7.04	326.5	10	12.0	0.81 105
HEGT85	26218	0.	0.	424.	0.	324.	-301.	A 15.	15.	2.32	0.21	0.05	49.2	7.08	395.8	4	15.2	1.02 105
HEGT85	26218	0.	0.	2064.	0.	763.	-470.	A 15.	194.	7.92	0.21	0.12	208.3	29.96	344.5	0	32.3	2.18 87
HEGT60	26218	0.	0.	417.	0.	324.	-294.	A 15.	15.	2.27	0.21	0.07	47.3	6.81	307.3	5	14.8	1.00 107
HEGT60	26218	0.	0.	840.	0.	443.	-316.	A 15.	64.	3.66	0.21	0.13	93.8	13.49	381.3	0	19.2	1.30 84
HEGT00	26218	0.	0.	411.	0.	324.	-200.	A 15.	15.	2.16	0.21	0.08	44.2	6.35	367.0	6	14.2	0.98 108
HEGT00	26218	0.	0.	500.	0.	350.	-288.	A 15.	26.	2.18	0.21	0.11	51.4	7.39	351.1	5	14.5	0.98 97
FCMCCL	26218	0.	0.	362.	0.	324.	-239.	15.	15.	2.37	0.21	0.19	42.1	6.05	396.9	8	13.4	0.91 121
FCMCCL	26218	0.	0.	515.	0.	400.	-138.	15.	46.	3.31	0.21	0.34	61.1	8.79	404.7	7	13.2	0.89 110
FCSTCL	26218	0.	0.	359.	0.	324.	-235.	15.	15.	2.37	0.21	0.20	41.0	5.90	390.6	8	13.3	0.89 122
FCSTCL	26218	0.	0.	611.	0.	454.	-52.	15.	68.	4.01	0.21	0.40	73.1	10.52	408.3	7	12.7	0.85 105
IGGTST	26218	0.	0.	377.	0.	324.	-254.	15.	15.	2.11	0.21	0.16	40.4	5.81	365.7	8	13.3	0.89 117
IGGTST	26218	0.	0.	570.	0.	402.	-184.	15.	47.	2.17	0.21	0.28	57.3	8.24	343.3	8	12.4	0.84 101
GTSOAR	26218	0.	375.	0.	0.	-52.	123.	15.	15.	0.91	0.21	0.16	15.1	2.17	137.0	12	14.0	0.94 132
GTSOAR	26218	0.	575.	0.	0.	-168.	402.	15.	49.	0.94	0.21	0.29	22.0	3.17	130.7	8	14.3	0.96 115
GTAC08	26218	0.	362.	0.	0.	-38.	123.	15.	15.	0.87	0.21	0.19	13.9	1.99	130.6	18	13.4	0.90 136
GTAC08	26218	0.	474.	0.	0.	-95.	308.	15.	38.	0.79	0.21	0.31	17.1	2.46	122.9	18	12.7	0.86 125
GTAC12	26218	0.	363.	0.	0.	-39.	123.	15.	15.	0.88	0.21	0.19	14.1	2.03	132.7	17	13.5	0.91 135
GTAC12	26218	0.	526.	0.	0.	-123.	386.	15.	47.	0.88	0.21	0.33	20.2	2.91	131.2	15	12.9	0.87 120
GTAC16	26218	0.	365.	0.	0.	-41.	123.	15.	15.	0.89	0.21	0.18	14.6	2.10	136.4	15	13.6	0.91 134
GTAC16	26218	0.	564.	0.	0.	-146.	439.	15.	53.	0.96	0.21	0.34	23.1	3.32	139.6	12	13.2	0.89 117

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GENERAL ELECTRIC COMPANY
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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

GE 44

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NO COGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTWC16	26218	0.	372.	0.	0.	-48.	123.	15.	15.	0.90	0.21	0.17	14.8	2.13	135.6	13	13.8	0.93 133
GTWC16	26218	0.	603.	0.	0.	-179.	457.	15.	56.	0.96	0.21	0.32	22.6	3.25	127.9	9	13.9	0.93 114
CC1626	26218	0.	373.	0.	0.	-49.	123.	15.	15.	1.00	0.21	0.16	14.9	2.14	136.2	12	14.0	0.94 132
CC1626	26218	0.	781.	0.	0.	-283.	705.	15.	86.	1.31	0.21	0.35	29.9	4.31	130.8	5	14.7	0.99 105
CC1622	26218	0.	370.	0.	0.	-46.	123.	15.	15.	0.99	0.21	0.17	14.7	2.11	135.4	13	13.9	0.93 133
CC1622	26218	0.	712.	0.	0.	-236.	634.	15.	77.	1.27	0.21	0.36	29.5	4.24	141.2	7	14.2	0.95 108
CC1222	26218	0.	369.	0.	0.	-45.	123.	15.	15.	0.98	0.21	0.17	14.3	2.06	132.2	14	13.8	0.93 134
CC1222	26218	0.	706.	0.	0.	-231.	631.	15.	77.	1.25	0.21	0.36	27.9	4.02	134.9	8	13.9	0.93 108
CC0622	26218	0.	363.	0.	0.	-40.	123.	15.	15.	0.98	0.21	0.19	14.4	2.07	134.9	15	13.6	0.92 135
CC0822	26218	0.	597.	0.	0.	-160.	500.	15.	61.	1.10	0.21	0.36	23.3	3.36	133.5	12	13.0	0.87 115
STIG15	26218	0.	419.	0.	0.	-95.	123.	15.	15.	1.04	0.21	0.06	14.9	2.14	121.2	0	15.4	1.04 122
STIG15	26218	0.	18769.	0.	0.	-13342.	17207.	15.	2096.	32.03	0.21	0.17	520.8	74.89	94.7	0	256.9	17.30 469
STIG10	26218	0.	407.	0.	0.	-84.	123.	15.	15.	0.98	0.21	0.09	14.3	2.06	120.0	4	14.9	1.01 125
STIG10	26218	0.	1842.	0.	0.	-1079.	1591.	15.	194.	3.07	0.21	0.22	55.3	7.96	102.5	0	30.5	2.05 101
STIG1S	26218	0.	402.	0.	0.	-78.	123.	15.	15.	0.98	0.21	0.10	14.1	2.03	119.7	6	14.8	0.99 127
STIG1S	26218	0.	1157.	0.	0.	-592.	934.	15.	114.	2.12	0.21	0.23	37.3	5.36	109.9	0	22.3	1.50 95
DEADV3	26218	0.	392.	0.	0.	-68.	123.	15.	15.	1.11	0.21	0.12	21.1	3.04	184.1	2	15.3	1.03 124
DEADV3	26218	0.	1190.	0.	0.	-586.	1063.	15.	129.	2.74	0.21	0.29	85.5	12.29	245.0	0	25.9	1.75 102
DEHTPM	26218	0.	365.	0.	0.	-41.	123.	15.	15.	1.10	0.21	0.18	19.0	2.73	177.9	9	14.2	0.96 131
DEHTPM	26210	0.	569.	0.	0.	-149.	448.	15.	55.	1.61	0.21	0.34	42.8	6.16	256.7	2	15.9	1.07 114
DES0A3	26218	400.	0.	0.	-400.	324.	123.	15.	15.	1.11	0.21	0.10	20.9	3.00	177.9	0	18.3	1.23 126
DES0A3	26218	1427.	0.	0.	-1427.	657.	1240.	15.	151.	3.71	0.21	0.25	123.0	17.68	294.1	0	43.8	2.95 124
DES0A3	26218	0.	400.	0.	0.	-76.	123.	15.	15.	1.11	0.21	0.10	20.9	3.00	177.9	0	15.5	1.05 122
DES0A3	26218	0.	1427.	0.	0.	-770.	1240.	15.	151.	3.71	0.21	0.25	123.0	17.68	294.1	0	33.9	2.28 107
GTSOAD	26218	367.	0.	0.	-367.	324.	123.	15.	15.	0.87	0.21	0.18	13.5	1.94	125.1	0	16.0	1.08 139
GTSOAD	26210	530.	0.	0.	-530.	398.	372.	15.	45.	0.82	0.21	0.31	17.9	2.58	115.4	0	16.7	1.12 127
OTRA08	26218	374.	0.	0.	-374.	324.	123.	15.	15.	0.92	0.21	0.16	15.5	2.24	142.0	0	16.6	1.12 136
OTRA08	26218	726.	0.	0.	-726.	473.	623.	15.	76.	1.22	0.21	0.34	32.2	4.63	151.3	0	20.0	1.35 114
OTRA12	26218	372.	0.	0.	-372.	324.	123.	15.	15.	0.92	0.21	0.17	15.6	2.24	143.3	0	16.5	1.11 136
OTRA12	26210	705.	0.	0.	-705.	468.	607.	15.	74.	1.17	0.21	0.34	30.4	4.38	147.4	0	19.4	1.30 115
OTRA16	26218	371.	0.	0.	-371.	324.	123.	15.	15.	0.93	0.21	0.17	16.1	2.31	148.0	0	16.5	1.11 136
OTRA16	26218	673.	0.	0.	-673.	456.	565.	15.	69.	1.17	0.21	0.34	30.6	4.40	155.0	0	19.2	1.29 116
OTR208	26218	371.	0.	0.	-371.	324.	123.	15.	15.	0.90	0.21	0.17	14.9	2.14	136.8	0	16.4	1.10 137
OTR208	26218	607.	0.	0.	-607.	427.	467.	15.	57.	0.99	0.21	0.32	23.8	3.43	134.0	0	18.1	1.22 120
OTR212	26218	372.	0.	0.	-372.	324.	123.	15.	15.	0.91	0.21	0.17	15.2	2.19	139.8	0	16.4	1.11 137
OTR212	26218	631.	0.	0.	-631.	437.	501.	15.	61.	1.04	0.21	0.33	25.7	3.70	139.2	0	18.5	1.24 119
OTR216	26218	370.	0.	0.	-370.	324.	123.	15.	15.	0.92	0.21	0.17	15.6	2.24	143.4	0	16.4	1.11 137
OTR216	26218	634.	0.	0.	-634.	441.	514.	15.	63.	1.09	0.21	0.34	27.5	3.96	148.1	0	18.5	1.25 118
OTRW08	26218	385.	0.	0.	-385.	324.	123.	15.	15.	0.92	0.21	0.14	15.6	2.24	138.2	0	17.0	1.15 133
OTRW08	26218	880.	0.	0.	-880.	509.	743.	15.	90.	1.25	0.21	0.30	32.1	4.62	124.7	0	23.0	1.55 111
OTRW12	26218	381.	0.	0.	-381.	324.	123.	15.	15.	0.92	0.21	0.15	15.6	2.24	139.7	0	16.8	1.13 134
OTRW12	26210	861.	0.	0.	-861.	512.	754.	15.	92.	1.25	0.21	0.32	32.3	4.65	128.2	0	22.0	1.48 111
OTRW16	26218	380.	0.	0.	-380.	324.	123.	15.	15.	0.93	0.21	0.15	16.0	2.29	143.4	0	16.8	1.13 134
OTRW16	26210	812.	0.	0.	-812.	495.	697.	15.	85.	1.23	0.21	0.32	32.0	4.60	134.4	0	21.5	1.44 112

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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTR308	26218	390.	0.	0.	-390.	324.	123.	15.	15.	0.91	0.21	0.13	15.0	2.16	131.4	0	17.1	1.15 133
GTR308	26218	761.	0.	0.	-761.	457.	567.	15.	69.	1.08	0.21	0.26	26.4	3.79	118.3	0	21.9	1.47 112
GTR312	26218	378.	0.	0.	-378.	324.	123.	15.	15.	0.91	0.21	0.15	15.1	2.17	135.8	0	16.7	1.12 135
GTR312	26218	736.	0.	0.	-736.	468.	606.	15.	74.	1.10	0.21	0.31	27.0	3.89	125.4	0	20.1	1.36 114
GTR316	26218	373.	0.	0.	-373.	324.	123.	15.	15.	0.92	0.21	0.15	15.5	2.22	139.4	0	16.7	1.13 135
GTR316	26218	731.	0.	0.	-731.	465.	596.	15.	73.	1.12	0.21	0.31	27.9	4.01	130.3	0	20.3	1.37 114
FCPADS	26218	395.	0.	0.	-395.	324.	123.	15.	15.	2.26	0.21	0.12	17.6	2.52	151.7	0	18.9	1.27 132
FCPADS	26218	1435.	0.	0.	-1435.	679.	1312.	15.	160.	17.50	0.21	0.28	93.0	13.37	221.0	0	53.0	3.57 144
FCMCDS	26218	377.	0.	0.	-377.	324.	123.	15.	15.	2.16	0.21	0.16	18.1	2.60	163.9	0	18.2	1.23 135
FCMCDS	26218	1047.	0.	0.	-1047.	597.	1038.	15.	126.	13.12	0.21	0.36	80.0	11.51	260.8	0	39.2	2.64 134

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 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
ONOCGN	28001	0.	1374.	267.	0.	0.	0.	33.	0.	1.35	0.10	0.	33.7	1.00	88.8	0	57.1	1.00	80
STM141	28001	0.	1425.	0.	0.	-51.	267.	33.	33.	1.92	0.10	0.13	38.4	1.14	92.0	54	51.5	0.90	141
STM141	28001	0.	1529.	0.	0.	-91.	480.	33.	58.	1.66	0.10	0.20	39.8	1.18	88.9	58	49.4	0.87	133
STM141	28001	0.	0.	1425.	0.	1374.	-1158.	33.	33.	4.40	0.10	0.13	77.7	2.31	186.1	27	39.2	0.69	120
STM141	28001	0.	0.	1529.	0.	1438.	-1049.	33.	58.	4.00	0.10	0.20	76.0	2.26	169.7	32	35.3	0.62	113
STM141	28001	0.	0.	1425.	0.	1374.	-1158.	33.	33.	4.17	0.10	0.13	62.9	1.87	150.6	39	37.3	0.65	124
STM141	28001	0.	0.	1529.	0.	1438.	-1049.	33.	58.	3.88	0.10	0.20	58.1	1.72	129.6	51	33.2	0.59	118
STM088	28001	0.	1425.	0.	0.	-51.	267.	33.	33.	1.84	0.10	0.13	36.8	1.09	88.1	75	51.2	0.90	142
STM088	28001	0.	1458.	0.	0.	-64.	335.	33.	41.	1.56	0.10	0.16	36.2	1.08	84.8	99	50.3	0.88	134
STM088	28001	0.	0.	1425.	0.	1374.	-1158.	33.	33.	4.27	0.10	0.13	76.6	2.28	183.6	27	38.9	0.68	121
STM088	28001	0.	0.	1458.	0.	1394.	-1123.	33.	41.	3.72	0.10	0.16	71.1	2.11	166.5	33	36.7	0.64	113
STM088	28001	0.	0.	1425.	0.	1374.	-1158.	33.	33.	4.12	0.10	0.13	58.9	1.75	141.1	44	36.8	0.65	125
STM088	28001	0.	0.	1458.	0.	1394.	-1123.	33.	41.	3.74	0.10	0.16	56.1	1.67	131.2	51	35.1	0.61	117
PFDSTM	28001	0.	0.	1430.	0.	1374.	-1163.	33.	33.	5.20	0.10	0.13	78.2	2.32	186.5	25	40.1	0.70	120
PFDSTM	28001	0.	0.	1710.	0.	1538.	-893.	33.	99.	6.81	0.10	0.27	75.2	2.23	150.0	34	33.0	0.58	111
TISTMT	28001	0.	1428.	0.	0.	-54.	267.	33.	33.	3.26	0.10	0.13	92.1	2.73	219.9	2	58.7	1.03	126
TISTMT	28001	0.	1850.	0.	0.	-225.	1105.	33.	135.	5.95	0.10	0.32	205.8	6.11	379.8	0	66.5	1.16	110
TISTMT	28001	0.	0.	1428.	0.	1374.	-1161.	33.	33.	5.74	0.10	0.13	134.1	3.98	320.5	12	46.7	0.82	115
TISTMT	28001	0.	0.	1850.	0.	1624.	-745.	33.	135.	8.74	0.10	0.32	258.9	7.69	477.7	7	50.3	0.88	101
TIHRSG	28001	0.	1483.	0.	0.	-110.	267.	33.	33.	3.79	0.10	0.10	117.4	3.49	270.0	0	63.5	1.11	120
TIHRSG	28001	0.	1703.	0.	0.	-237.	577.	33.	70.	5.19	0.10	0.17	184.9	5.49	370.4	0	71.4	1.25	109
TIHRSG	28001	0.	0.	1483.	0.	1374.	-1217.	33.	33.	6.52	0.10	0.10	166.7	4.95	383.6	8	52.0	0.91	111
TIHRSG	28001	0.	0.	1703.	0.	1466.	-1127.	33.	70.	7.90	0.10	0.17	234.8	6.97	470.3	5	57.2	1.00	101
STIRL	28001	1487.	0.	0.	-1487.	1374.	267.	33.	33.	2.28	0.10	0.09	55.1	1.64	126.5	0	66.2	1.16	134
STIRL	28001	2306.	0.	0.	-2306.	1712.	1398.	33.	170.	3.71	0.10	0.26	117.8	3.50	174.4	0	78.3	1.37	108
STIRL	28001	0.	1487.	0.	0.	-113.	267.	33.	33.	2.28	0.10	0.09	55.1	1.64	126.5	10	55.5	0.97	130
STIRL	28001	0.	2306.	0.	0.	-594.	1398.	33.	170.	3.71	0.10	0.26	118.0	3.50	174.6	0	61.8	1.08	100
STIRL	28001	0.	0.	1487.	0.	1374.	-1220.	33.	33.	4.82	0.10	0.09	97.7	2.90	224.2	18	42.7	0.75	113
STIRL	28001	0.	0.	2306.	0.	1712.	-908.	33.	170.	7.92	0.10	0.26	210.4	6.25	311.4	10	44.9	0.79	87
HEGT85	28001	0.	0.	1592.	0.	1374.	-1325.	33.	33.	5.13	0.10	0.03	111.6	3.32	239.4	13	48.7	0.82	105
HEGT85	28001	0.	0.	9304.	0.	3441.	-2117.	33.	875.	31.64	0.10	0.12	833.7	24.76	305.8	0	123.5	2.16	87
HEGT60	28001	0.	0.	1576.	0.	1374.	-1309.	33.	33.	5.08	0.10	0.04	108.5	3.22	235.0	14	46.0	0.81	107
HEGT60	28001	0.	0.	3785.	0.	1999.	-1426.	33.	287.	11.55	0.10	0.13	272.1	8.08	245.3	4	59.5	1.04	57
HEGT00	28001	0.	0.	1562.	0.	1374.	-1295.	33.	33.	5.05	0.10	0.05	104.3	3.10	227.9	15	45.2	0.79	108
HEGT00	28001	0.	0.	2252.	0.	1579.	-1298.	33.	116.	6.75	0.10	0.11	149.4	4.44	226.3	10	47.6	0.83	83
FCMCCL	28001	0.	0.	1456.	0.	1374.	-1189.	33.	33.	5.55	0.10	0.11	106.7	3.17	250.0	15	44.3	0.78	115
FCMCCL	28001	0.	0.	2324.	0.	1802.	-624.	33.	207.	11.53	0.10	0.34	183.4	5.45	269.4	12	39.5	0.69	91
FCSTCL	28001	0.	0.	1449.	0.	1374.	-1182.	33.	33.	5.45	0.10	0.12	104.7	3.11	246.5	16	43.9	0.77	116
FCSTCL	28001	0.	0.	2732.	0.	2034.	-257.	33.	302.	13.72	0.10	0.39	217.9	6.47	272.2	13	34.0	0.60	90
ICGTST	28001	0.	0.	1490.	0.	1374.	-1223.	33.	33.	4.55	0.10	0.09	99.6	2.96	228.1	17	43.3	0.76	113
ICGTST	28001	0.	0.	2546.	0.	1803.	-843.	33.	207.	5.63	0.10	0.27	178.8	5.31	239.7	14	37.2	0.65	83
OTSOAR	28001	0.	1486.	0.	0.	-112.	267.	33.	33.	2.04	0.10	0.09	48.8	1.45	112.2	16	54.5	0.96	132
OTSOAR	28001	0.	2594.	0.	0.	-759.	1810.	33.	220.	2.88	0.10	0.29	88.6	2.63	116.6	5	56.9	1.00	101

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-----FUEL USE IN BTU*10**6-----

COGENERATION CASE **NOCCOGEN - COGEN**

ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQLV	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC08	28001	0.	1456.	0.	0.	-82.	267.	33.	33.	1.91	0.10	0.11	43.5	1.29	101.9	29	52.9	0.93 136
GTAC08	28001	0.	2138.	0.	0.	-429.	1309.	33.	169.	2.22	0.10	0.31	64.0	1.90	102.2	20	49.5	0.87 112
GTAC12	28001	0.	1459.	0.	0.	-85.	267.	33.	33.	2.00	0.10	0.11	47.6	1.41	111.3	20	53.5	0.94 134
GTAC12	28001	0.	2370.	0.	0.	-556.	1739.	33.	212.	2.57	0.10	0.33	77.1	2.29	111.0	15	49.9	0.87 107
GTAC16	28001	0.	1463.	0.	0.	-89.	267.	33.	33.	2.02	0.10	0.11	48.5	1.44	113.2	18	53.8	0.94 133
GTAC16	28001	0.	2544.	0.	0.	-659.	1977.	33.	241.	2.86	0.10	0.34	88.3	2.62	118.4	12	51.1	0.89 104
GTWC16	28001	0.	1479.	0.	0.	-105.	267.	33.	33.	2.02	0.10	0.10	48.3	1.43	111.4	17	54.2	0.95 133
GTWC16	28001	0.	2718.	0.	0.	-809.	2060.	33.	251.	2.73	0.10	0.32	82.4	2.45	103.5	10	53.9	0.94 103
CC1626	28001	0.	1481.	0.	0.	-108.	267.	33.	33.	2.12	0.10	0.10	48.3	1.43	111.2	15	54.6	0.96 132
CC1626	28001	0.	3490.	0.	0.	-1262.	3128.	33.	381.	3.66	0.10	0.35	108.3	3.22	105.9	6	56.1	0.98 100
CC1622	28001	0.	1474.	0.	0.	-100.	267.	33.	33.	2.12	0.10	0.10	48.3	1.44	111.9	16	54.3	0.95 133
CC1622	28001	0.	3184.	0.	0.	-1051.	2811.	33.	342.	3.68	0.10	0.36	114.1	3.39	122.2	7	54.8	0.96 100
CC1222	28001	0.	1472.	0.	0.	-98.	267.	33.	33.	2.11	0.10	0.10	47.6	1.41	110.4	17	54.2	0.95 133
CC1222	28001	0.	3157.	0.	0.	-1028.	2795.	33.	340.	3.57	0.10	0.36	106.4	3.16	115.1	9	53.4	0.93 101
CC0822	28001	0.	1460.	0.	0.	-86.	267.	33.	33.	2.10	0.10	0.11	47.3	1.41	110.7	19	53.7	0.94 134
CC0822	28001	0.	2668.	0.	0.	-713.	2212.	33.	269.	2.95	0.10	0.36	83.6	2.48	107.0	15	49.1	0.86 105
STIG15	28001	0.	1581.	0.	0.	-207.	267.	33.	33.	2.31	0.10	0.04	48.5	1.44	104.7	0	57.8	1.01 126
STIG15	28001	0.	84615.	0.	0.	-60150.	77574.	33.	9449.	142.09	0.10	0.17	2270.3	67.42	91.6	0	1173.3	20.55 550
STIG10	28001	0.	1555.	0.	0.	-181.	267.	33.	33.	2.19	0.10	0.05	47.5	1.41	104.2	7	56.0	0.99 129
STIG10	28001	0.	8302.	0.	0.	-4665.	7174.	33.	874.	11.72	0.10	0.22	222.1	6.60	91.3	0	129.5	2.27 107
STIG1S	28001	0.	1543.	0.	0.	-169.	257.	33.	33.	2.20	0.10	0.06	47.0	1.40	104.0	9	56.3	0.99 129
STIG1S	28001	0.	5218.	0.	0.	-2067.	4209.	33.	513.	7.50	0.10	0.23	136.2	4.04	89.1	0	91.0	1.59 97
DEADV3	28001	0.	1521.	0.	0.	-147.	267.	33.	33.	2.39	0.10	0.07	60.7	1.80	136.2	4	57.3	1.00 126
DEADV3	28001	0.	5366.	0.	0.	-2641.	4791.	33.	564.	9.03	0.10	0.29	352.1	10.46	223.9	0	106.5	1.87 103
DEH1PM	28001	0.	1462.	0.	0.	-88.	267.	33.	33.	2.49	0.10	0.11	62.2	1.85	145.2	9	55.7	0.97 129
DEH1PM	28001	0.	2567.	0.	0.	-670.	2020.	33.	246.	5.55	0.10	0.34	185.2	5.50	246.1	0	63.7	1.12 100
DESQA3	28001	1540.	0.	0.	0.	-1540.	1374.	33.	33.	2.52	0.10	0.06	66.0	1.96	146.3	0	69.6	1.22 128
DESQA3	28001	6433.	0.	0.	0.	-6433.	2963.	33.	681.	14.00	0.10	0.25	516.0	15.32	273.7	0	188.7	3.30 132
DESQA3	28001	0.	1540.	0.	0.	-166.	257.	33.	33.	2.52	0.10	0.06	66.0	1.96	146.3	0	58.6	1.03 123
DESQA3	28001	0.	6433.	0.	0.	0.	-3470.	33.	681.	14.00	0.10	0.25	516.0	15.32	273.7	0	142.4	2.49 112
GTSOAD	28001	1468.	0.	0.	0.	-1468.	1374.	33.	33.	1.97	0.10	0.11	46.2	1.37	107.4	0	64.2	1.12 139
GTSOAD	28001	2368.	0.	0.	0.	-2368.	1795.	33.	204.	2.33	0.10	0.31	67.3	2.00	96.2	0	68.0	1.19 115
GTRA08	28001	1482.	0.	0.	0.	-1482.	1374.	33.	33.	2.05	0.10	0.10	49.8	1.48	114.8	0	65.2	1.14 136
GTRA08	28001	3271.	0.	0.	0.	-3271.	2134.	33.	342.	3.87	0.10	0.34	126.2	3.75	131.7	0	82.3	1.44 109
GTRA12	28001	1478.	0.	0.	0.	-1478.	1374.	33.	33.	2.06	0.10	0.10	50.1	1.49	115.8	0	65.1	1.14 137
GTRA12	28001	3177.	0.	0.	0.	-3177.	2112.	33.	333.	3.79	0.10	0.34	123.2	3.66	132.3	0	80.0	1.40 109
GTRA16	28001	1476.	0.	0.	0.	-1476.	1374.	33.	33.	2.08	0.10	0.10	51.0	1.51	117.8	0	65.1	1.14 136
GTRA16	28001	3036.	0.	0.	0.	-3036.	2056.	33.	310.	3.79	0.10	0.34	123.7	3.67	139.1	0	79.2	1.39 109
GTR208	28001	1477.	0.	0.	0.	-1477.	1374.	33.	33.	2.03	0.10	0.10	48.7	1.45	112.6	0	64.9	1.14 137
GTR208	28001	2736.	0.	0.	0.	-2736.	1923.	33.	257.	3.69	0.10	0.32	96.3	2.86	120.2	0	74.8	1.31 110
GTR212	28001	1477.	0.	0.	0.	-1477.	1374.	33.	33.	2.04	0.10	0.10	49.3	1.46	113.9	0	65.0	1.14 137
GTR212	28001	2845.	0.	0.	0.	-2845.	1969.	33.	275.	3.28	0.10	0.33	104.0	3.09	124.7	0	76.3	1.34 109
GTR216	28001	1474.	0.	0.	0.	-1474.	1374.	33.	33.	2.06	0.10	0.10	50.1	1.49	115.9	0	64.9	1.14 137
GTR216	28001	2857.	0.	0.	0.	-2857.	1986.	33.	282.	3.48	0.10	0.34	111.7	3.32	133.4	0	76.4	1.34 109

DATE 06/08/79
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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVEL CHRG	NORM WRTH ENRG
GTRW08	28001	1507.	0.	0.	-1507.	1374.	267.	33.	33.	2.05	0.10	0.08	49.7	1.47	112.4	0	66.2	1.16 135
GTRW08	28001	3966.	0.	0.	-3966.	2295.	3350.	33.	408.	3.95	0.10	0.30	127.2	3.78	109.4	0	96.3	1.69 109
GTRW12	28001	1497.	0.	0.	-1497.	1374.	267.	33.	33.	2.05	0.10	0.09	49.6	1.47	113.1	0	65.8	1.15 136
GTRW12	28001	3880.	0.	0.	-3880.	2309.	3399.	33.	414.	3.97	0.10	0.32	128.0	3.80	112.6	0	91.9	1.61 110
GTRW16	28001	1495.	0.	0.	-1495.	1374.	267.	33.	33.	2.06	0.10	0.09	50.2	1.49	114.6	0	65.8	1.15 135
GTRW16	28001	3659.	0.	0.	-3659.	2233.	3144.	33.	383.	3.91	0.10	0.32	126.6	3.76	118.1	0	89.3	1.56 109
GTR308	28001	1517.	0.	0.	-1517.	1374.	267.	33.	33.	2.04	0.10	0.08	48.8	1.45	109.7	0	66.4	1.16 135
GTR308	28001	3429.	0.	0.	-3429.	2058.	2558.	33.	312.	3.13	0.10	0.26	96.1	2.85	95.6	0	90.8	1.59 107
GTR312	28001	1492.	0.	0.	-1492.	1374.	267.	33.	33.	2.03	0.10	0.09	48.7	1.45	111.5	0	65.5	1.15 136
GTR312	28001	3319.	0.	0.	-3319.	2110.	2731.	33.	333.	3.24	0.10	0.31	100.8	2.99	103.6	0	82.8	1.45 109
GTR316	28001	1493.	0.	0.	-1493.	1374.	267.	33.	33.	2.04	0.10	0.09	49.4	1.47	112.9	0	65.6	1.15 136
GTR316	28001	3296.	0.	0.	-3296.	2097.	2689.	33.	327.	3.31	0.10	0.31	103.6	3.08	107.2	0	83.3	1.46 109
FCPADS	28001	1528.	0.	0.	-1528.	1374.	267.	33.	33.	5.29	0.10	0.07	58.8	1.75	131.3	0	71.2	1.25 132
FCPADS	28001	6471.	0.	0.	-6471.	3061.	5917.	33.	721.	80.02	0.10	0.29	379.9	11.28	200.4	0	233.7	4.09 157
FCMCDS	28001	1489.	0.	0.	-1489.	1374.	267.	33.	33.	5.06	0.10	0.09	59.8	1.78	137.1	0	69.6	1.22 134
FCMCDS	28001	4721.	0.	0.	-4721.	2692.	4680.	33.	570.	60.04	0.10	0.36	340.4	10.11	246.0	0	171.6	3.01 141

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	28002	0.	1429.	634.	0.	0.	0.	77.	0.	1.33	0.25	0.	32.9	1.00	90.5	0	70.3	1.00 80
STM141	28002	0.	1517.	174.	0.	-87.	460.	77.	56.	1.63	0.25	0.18	38.7	1.18	90.1	81	59.6	0.85 133
STM141	28002	0.	52.	1639.	0.	1377.	-1005.	F 77.	56.	3.88	0.25	0.18	73.8	2.25	172.0	35	46.1	0.66 115
STM141	28002	0.	52.	1639.	0.	1377.	-1005.	A 77.	56.	3.76	0.25	0.18	56.6	1.72	131.7	57	44.1	0.63 119
STM088	28002	0.	1490.	313.	0.	-61.	321.	77.	39.	1.53	0.25	0.13	35.1	1.07	85.8	119	62.7	0.82 127
STM088	28002	0.	93.	1710.	0.	1336.	-1076.	F 77.	39.	3.61	0.25	0.13	69.0	2.10	168.6	34	49.8	0.71 108
STM088	28002	0.	93.	1710.	0.	1336.	-1076.	A 77.	39.	3.63	0.25	0.13	54.6	1.66	133.4	53	48.2	0.69 112
PFBSTM	28002	0.	0.	1563.	0.	1429.	-929.	77.	77.	6.53	0.25	0.24	77.6	2.36	169.4	35	43.8	0.62 132
PFBSTM	28002	0.	0.	1638.	0.	1474.	-856.	77.	95.	6.58	0.25	0.27	73.0	2.22	152.1	41	41.1	0.58 125
TISTMT	28002	0.	1559.	0.	0.	-129.	634.	77.	77.	4.70	0.25	0.24	146.6	4.46	321.0	5	70.2	1.00 133
TISTMT	28002	0.	1772.	0.	0.	-216.	1059.	77.	129.	5.77	0.25	0.32	199.1	6.06	383.3	3	73.3	1.04 127
TISTMT	28002	0.	0.	1559.	0.	1429.	-925.	77.	77.	7.32	0.25	0.24	191.8	5.84	420.0	11	56.9	0.81 125
TISTMT	28002	0.	0.	1772.	0.	1556.	-714.	77.	129.	8.47	0.25	0.32	250.4	7.62	482.3	9	57.9	0.82 120
TIHRSG	28002	0.	1656.	81.	0.	-227.	553.	77.	67.	5.03	0.25	0.16	178.8	5.44	373.8	0	79.3	1.13 112
TIHRSG	28002	0.	24.	1713.	0.	1405.	-1080.	77.	67.	7.65	0.25	0.16	227.1	6.91	474.7	7	65.7	0.93 105
STIRL	28002	1699.	0.	0.	-1699.	1429.	634.	77.	77.	2.84	0.25	0.18	74.4	2.26	149.5	0	77.1	1.10 137
STIRL	28002	2209.	0.	0.	-2209.	1640.	1339.	77.	163.	3.57	0.25	0.26	113.0	3.44	174.6	0	84.4	1.20 126
STIRL	28002	0.	1699.	0.	0.	-269.	634.	77.	77.	2.85	0.25	0.18	74.5	2.27	149.6	13	64.8	0.92 132
STIRL	28002	0.	2209.	0.	0.	-569.	1339.	77.	163.	3.58	0.25	0.26	113.2	3.44	174.8	7	68.5	0.97 120
STIRL	28002	0.	0.	1699.	0.	1429.	-1065.	77.	77.	5.87	0.25	0.18	129.1	3.93	259.4	17	50.9	0.72 119
STIRL	28002	0.	0.	2209.	0.	1640.	-870.	77.	163.	7.62	0.25	0.26	201.7	6.14	311.6	12	52.4	0.75 108
HEGT85	28002	0.	0.	1946.	0.	1429.	-1313.	A 77.	77.	6.80	0.25	0.06	157.8	4.80	276.6	11	59.9	0.85 105
HEGT85	28002	0.	0.	8915.	0.	3297.	-2029.	A 77.	839.	30.59	0.25	0.12	808.8	24.60	309.6	0	129.0	1.83 79
HEGT60	28002	0.	0.	1909.	0.	1429.	-1275.	A 77.	77.	6.63	0.25	0.07	149.9	4.56	267.9	12	58.2	0.83 107
HEGT60	28002	0.	0.	3627.	0.	1915.	-1366.	A 77.	275.	11.17	0.25	0.13	263.9	8.03	248.4	6	66.7	0.95 83
HEGT00	28002	0.	0.	1877.	0.	1429.	-1243.	A 77.	77.	6.22	0.25	0.09	130.9	3.98	238.0	15	55.1	0.78 110
HEGT00	28002	0.	0.	2158.	0.	1513.	-1244.	A 77.	111.	6.53	0.25	0.11	144.9	4.41	229.1	14	55.2	0.79 99
FCMCCL	28002	0.	0.	1624.	0.	1429.	-990.	77.	77.	7.40	0.25	0.21	134.2	4.08	281.9	15	52.3	0.74 124
FCMCCL	28002	0.	0.	2227.	0.	1727.	-599.	77.	198.	11.12	0.25	0.34	177.8	5.41	272.4	14	47.5	0.68 113
FCSTCL	28002	0.	0.	1608.	0.	1429.	-974.	77.	77.	7.14	0.25	0.22	131.8	4.01	279.7	16	51.5	0.73 124
FCSTCL	28002	0.	0.	2618.	0.	1948.	-246.	77.	289.	13.23	0.25	0.39	211.2	6.42	275.2	14	42.2	0.60 107
IGGTST	28002	0.	0.	1706.	0.	1429.	-1072.	77.	77.	5.19	0.25	0.17	125.3	3.81	250.7	17	50.6	0.72 119
IGGTST	28002	0.	0.	2440.	0.	1727.	-808.	77.	199.	5.39	0.25	0.27	169.7	5.16	237.4	16	44.7	0.64 105
GTSOAR	28002	0.	1695.	0.	0.	-266.	634.	77.	77.	2.30	0.25	0.18	56.5	1.72	113.8	24	62.3	0.89 137
GTSOAR	28002	0.	2406.	0.	0.	-727.	1734.	77.	211.	2.80	0.25	0.29	85.9	2.61	117.9	13	64.0	0.91 121
GTAC08	28002	0.	1625.	0.	0.	-196.	634.	77.	77.	2.11	0.25	0.21	49.5	1.51	104.0	40	59.1	0.84 143
GTAC08	28002	0.	2048.	0.	0.	-411.	1331.	77.	162.	2.16	0.25	0.31	62.0	1.89	103.3	30	56.8	0.81 132
GTAC12	28002	0.	1632.	0.	0.	-203.	634.	77.	77.	2.20	0.25	0.21	52.8	1.60	110.3	34	59.8	0.85 141
GTAC12	28002	0.	2271.	0.	0.	-533.	1666.	77.	203.	2.49	0.25	0.33	74.6	2.27	112.1	23	57.3	0.81 127
GTAC16	28002	0.	1641.	0.	0.	-211.	634.	77.	77.	2.25	0.25	0.20	54.9	1.67	114.1	30	60.3	0.80 140
GTAC16	28002	0.	2437.	0.	0.	-631.	1894.	77.	231.	2.78	0.25	0.34	85.4	2.60	119.5	19	58.4	0.83 123
GTWC16	28002	0.	1678.	0.	0.	-249.	634.	77.	77.	2.21	0.25	0.19	53.0	1.61	107.8	30	61.3	0.87 139
GTWC16	28002	0.	2605.	0.	0.	-775.	1974.	77.	240.	2.66	0.25	0.32	79.9	2.43	104.7	17	61.1	0.87 121

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVL CHRG	NORM WRTH
								MW	MW		RATIO		*10**6			(%)		ENRG
CC1626	28002	0.	1685.	0.	0.	-256.	634.	77.	77.	2.37	0.25	0.18	54.0	1.64	109.3	26	61.9	0.88 130
CC1626	28002	0.	3344.	0.	0.	-1209.	2997.	77.	365.	3.50	0.25	0.35	102.7	3.12	104.7	12	62.9	0.89 111
CC1622	28002	0.	1666.	0.	0.	-237.	634.	77.	77.	2.38	0.25	0.19	55.3	1.68	113.2	26	61.5	0.87 139
CC1622	28002	0.	3051.	0.	0.	-1007.	2693.	77.	328.	3.58	0.25	0.36	110.3	3.36	123.4	12	62.0	0.88 113
CC1222	28002	0.	1662.	0.	0.	-233.	634.	77.	77.	2.36	0.25	0.19	53.8	1.64	110.5	28	61.2	0.87 140
CC1222	28002	0.	3025.	0.	0.	-985.	2670.	77.	326.	3.38	0.25	0.36	99.2	3.02	112.0	14	60.1	0.85 115
CC0822	28002	0.	1634.	0.	0.	-204.	634.	77.	77.	2.32	0.25	0.21	52.3	1.59	109.3	32	60.0	0.85 142
CC0822	28002	0.	2556.	0.	0.	-683.	2120.	77.	258.	2.87	0.25	0.36	81.0	2.47	108.2	21	56.5	0.80 123
STIG15	28002	0.	1921.	0.	0.	-491.	634.	77.	77.	3.07	0.25	0.07	59.0	1.79	104.8	4	70.5	1.00 125
STIG15	28002	0.	81077.	0.	0.	-57635.	74330.	77.	9053.	136.27	0.25	0.17	2177.7	66.25	91.7	0	1133.9	16.12 440
STIG10	28002	0.	1859.	0.	0.	-430.	634.	77.	77.	2.79	0.25	0.10	56.8	1.73	104.3	11	68.0	0.97 129
STIG10	28002	0.	7955.	0.	0.	-4662.	6874.	77.	837.	11.29	0.25	0.22	214.0	6.51	91.8	0	133.6	1.90 99
STIG15	28002	0.	1831.	0.	0.	-402.	634.	77.	77.	2.71	0.25	0.11	52.4	1.59	97.6	17	66.6	0.95 132
STIG15	28002	0.	5000.	0.	0.	-2555.	4033.	77.	491.	7.39	0.25	0.23	137.7	4.19	94.0	0	97.5	1.39 98
DEADV3	28002	0.	1779.	0.	0.	-349.	634.	77.	77.	3.14	0.25	0.14	86.3	2.62	165.5	7	68.9	0.98 126
DEADV3	28002	0.	5142.	0.	0.	-2531.	4590.	77.	559.	9.46	0.25	0.29	337.6	10.27	224.1	0	111.5	1.58 100
DEHTPM	28002	0.	1639.	0.	0.	-210.	634.	77.	77.	3.21	0.25	0.21	86.4	2.63	179.8	12	64.6	0.92 133
DEHTPM	28002	0.	2460.	0.	0.	-642.	1936.	77.	236.	5.35	0.25	0.34	177.5	5.40	246.2	5	70.4	1.00 118
DES0A3	28002	1823.	0.	0.	-1823.	1429.	634.	77.	77.	3.46	0.25	0.12	98.9	3.01	185.1	0	85.1	1.21 127
DES0A3	28002	6164.	0.	0.	-6164.	2839.	5355.	77.	652.	13.45	0.25	0.25	494.7	15.05	273.8	0	190.1	2.70 120
DES0A3	28002	0.	1823.	0.	0.	-394.	634.	77.	77.	3.46	0.25	0.12	98.9	3.01	185.1	2	72.0	1.02 123
DES0A3	28002	0.	6164.	0.	0.	-3325.	5355.	77.	652.	13.45	0.25	0.25	494.7	15.05	273.8	0	145.8	2.07 104
GTSOAB	28002	1653.	0.	0.	-1653.	1429.	634.	77.	77.	2.12	0.25	0.20	49.5	1.51	102.2	0	71.9	1.02 146
GTSOAB	28002	2288.	0.	0.	-2288.	1720.	1608.	77.	196.	2.26	0.25	0.31	65.2	1.98	97.2	0	74.5	1.06 134
GTRA08	28002	1685.	0.	0.	-1685.	1429.	634.	77.	77.	2.35	0.25	0.18	58.8	1.79	119.0	0	74.4	1.06 141
GTRA08	28002	3135.	0.	0.	-3135.	2044.	2693.	77.	328.	3.77	0.25	0.34	122.3	3.72	133.1	0	88.4	1.26 119
GTRA12	28002	1676.	0.	0.	-1676.	1429.	634.	77.	77.	2.32	0.25	0.19	57.5	1.75	117.1	0	73.9	1.05 142
GTRA12	28002	3044.	0.	0.	-3044.	2023.	2623.	77.	319.	3.68	0.25	0.34	119.3	3.63	133.7	0	86.2	1.23 120
GTRA16	28002	1673.	0.	0.	-1673.	1429.	634.	77.	77.	2.36	0.25	0.19	59.0	1.80	120.4	0	73.9	1.05 142
GTRA16	28002	2909.	0.	0.	-2909.	1970.	2443.	77.	293.	3.68	0.25	0.34	119.8	3.64	140.5	0	85.4	1.21 121
GTR208	28002	1674.	0.	0.	-1674.	1429.	634.	77.	77.	2.25	0.25	0.19	54.5	1.66	111.1	0	73.4	1.04 143
GTR208	28002	2621.	0.	0.	-2621.	1843.	2018.	77.	245.	2.88	0.25	0.32	88.8	2.70	115.6	0	80.5	1.14 126
GTR212	28002	1675.	0.	0.	-1675.	1429.	634.	77.	77.	2.28	0.25	0.19	55.7	1.69	113.4	0	73.6	1.05 142
GTR212	28002	2726.	0.	0.	-2726.	1887.	2165.	77.	264.	3.19	0.25	0.33	100.7	3.06	126.0	0	82.6	1.17 124
GTR216	28002	1668.	0.	0.	-1668.	1429.	634.	77.	77.	2.32	0.25	0.19	57.4	1.75	117.5	0	73.5	1.05 142
GTR216	28002	2737.	0.	0.	-2737.	1903.	2220.	77.	270.	3.38	0.25	0.34	108.1	3.29	134.8	0	82.6	1.17 124
GTRV08	28002	1746.	0.	0.	-1746.	1429.	634.	77.	77.	2.29	0.25	0.15	55.7	1.69	108.8	0	76.4	1.09 139
GTRV08	28002	3800.	0.	0.	-3800.	2199.	3210.	77.	391.	3.84	0.25	0.30	123.3	3.75	110.8	0	101.8	1.45 114
GTRV12	28002	1722.	0.	0.	-1722.	1429.	634.	77.	77.	2.28	0.25	0.17	55.6	1.69	110.2	0	75.4	1.07 140
GTRV12	28002	3718.	0.	0.	-3718.	2213.	3256.	77.	397.	3.86	0.25	0.32	124.2	3.78	114.0	0	97.6	1.39 115
GTRV16	28002	1717.	0.	0.	-1717.	1429.	634.	77.	77.	2.30	0.25	0.17	56.6	1.72	112.5	0	75.3	1.07 140
GTRV16	28002	3506.	0.	0.	-3506.	2140.	3012.	77.	367.	3.81	0.25	0.32	122.8	3.74	119.5	0	95.1	1.35 116
GTR308	28002	1769.	0.	0.	-1769.	1429.	634.	77.	77.	2.26	0.25	0.14	54.3	1.65	104.7	0	77.1	1.10 139
GTR308	28002	3286.	0.	0.	-3286.	1972.	2451.	77.	299.	3.05	0.25	0.26	93.1	2.83	96.7	0	96.5	1.5 118

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COGENERATION CASE **MCCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR312	28002	1710.	0.	0.	-1710.	1429.	634.	77.	77.	2.24	0.25	0.17	54.0	1.64	107.8	0	74.7	1.06	141
GTR312	28002	3180.	0.	0.	-3180.	2022.	2617.	77.	319.	3.15	0.25	0.31	97.7	2.97	104.9	0	88.8	1.26	120
GTR316	28002	1712.	0.	0.	-1712.	1429.	634.	77.	77.	2.27	0.25	0.17	55.1	1.68	109.9	0	75.0	1.07	141
GTR316	28002	3158.	0.	0.	-3158.	2010.	2576.	77.	314.	3.22	0.25	0.31	100.4	3.06	108.3	0	89.3	1.27	120
FCPADS	28002	1795.	0.	0.	-1795.	1429.	634.	77.	77.	10.23	0.25	0.13	81.2	2.47	154.4	0	88.9	1.26	134
FCPADS	28002	6200.	0.	0.	-6200.	2933.	5669.	77.	691.	76.70	0.25	0.28	364.3	11.08	200.5	0	233.3	3.32	140
FCMCDS	28002	1704.	0.	0.	-1704.	1429.	634.	77.	77.	9.71	0.25	0.17	84.3	2.56	168.7	0	85.2	1.21	137
FCMCDS	28002	4524.	0.	0.	-4524.	2580.	4485.	77.	546.	57.55	0.25	0.36	326.4	9.93	246.3	0	173.8	2.47	132

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*****FUEL USE IN BTU*10**6*****																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCOGEN	28003	0.	1352.	798.	0.	0.	0.	97.	0.	1.26	0.35	0.	30.9	1.00	94.8	0	72.8	1.00 80
STM141	28003	0.	1431.	385.	0.	-79.	413.	97.	50.	1.54	0.35	0.16	35.9	1.16	93.0	84	63.2	0.87 129
STM141	28003	0.	115.	1701.	0.	1238.	-903.	F 97.	50.	3.61	0.35	0.16	68.5	2.21	177.7	34	51.2	0.70 111
STM141	28003	0.	115.	1701.	0.	1238.	-903.	A 97.	50.	3.49	0.35	0.16	53.0	1.71	137.3	55	49.4	0.68 115
STM141	28003	0.	1407.	510.	0.	-55.	288.	97.	35.	1.44	0.35	0.11	32.6	1.05	88.5	137	65.9	0.90 123
STM088	28003	0.	152.	1765.	0.	1200.	-967.	F 97.	35.	3.37	0.35	0.11	64.0	2.07	174.1	33	54.4	0.75 104
STM088	28003	0.	152.	1765.	0.	1200.	-967.	A 97.	35.	3.37	0.35	0.11	51.1	1.65	138.9	51	53.1	0.73 108
PFDSTM	28003	0.	28.	1567.	0.	1324.	-769.	97.	86.	6.03	0.35	0.26	68.0	2.20	157.5	42	44.5	0.61 124
TISTMT	28003	0.	1515.	0.	0.	-163.	798.	97.	97.	5.08	0.35	0.30	163.8	5.29	368.9	6	71.1	0.98 137
TISTMT	28003	0.	1592.	0.	0.	-194.	951.	97.	116.	5.34	0.35	0.32	183.1	5.92	392.4	5	72.1	0.99 128
TISTMT	28003	0.	0.	1515.	0.	1352.	-717.	97.	97.	7.72	0.35	0.30	212.9	6.88	479.6	10	58.8	0.81 130
TISTMT	28003	0.	0.	1592.	0.	1398.	-641.	97.	116.	7.82	0.35	0.32	230.5	7.45	493.9	10	58.4	0.80 122
TIHRSG	28003	0.	1557.	302.	0.	-204.	496.	97.	60.	4.65	0.35	0.14	164.4	5.31	382.5	0	81.1	1.11 108
TIHRSG	28003	0.	90.	1768.	0.	1262.	-970.	97.	60.	7.05	0.35	0.14	208.9	6.75	486.1	6	69.2	0.95 101
STIRL	28003	1692.	0.	0.	-1692.	1352.	798.	97.	97.	3.02	0.35	0.21	82.2	2.66	165.8	0	77.8	1.07 138
STIRL	28003	1985.	0.	0.	-1985.	1474.	1203.	97.	147.	3.27	0.35	0.26	101.9	3.29	175.2	0	81.6	1.12 129
STIRL	28003	0.	1692.	0.	0.	-339.	798.	97.	97.	3.02	0.35	0.21	82.3	2.66	166.0	14	65.6	0.90 134
STIRL	28003	0.	1985.	0.	0.	-511.	1203.	97.	147.	3.27	0.35	0.26	102.0	3.30	175.4	10	67.3	0.92 124
STIRL	28003	0.	0.	1692.	0.	1352.	-894.	97.	97.	6.19	0.35	0.21	140.5	4.64	289.5	16	52.6	0.72 122
STIRL	28003	0.	0.	1985.	0.	1474.	-702.	97.	147.	6.91	0.35	0.26	180.6	5.84	310.5	14	52.7	0.72 112
HEGT85	28003	0.	0.	2004.	0.	1352.	-1206.	A 97.	97.	7.28	0.35	0.07	172.4	5.57	293.6	10	63.0	0.87 105
HEGT85	28003	0.	0.	8010.	0.	2962.	-1823.	A 97.	754.	28.13	0.35	0.12	749.6	24.22	319.4	0	124.6	1.71 79
HEGT60	28003	0.	0.	1957.	0.	1352.	-1159.	A 97.	97.	6.85	0.35	0.09	154.2	4.98	269.0	12	59.7	0.82 108
HEGT60	28003	0.	0.	3258.	0.	1721.	-1228.	A 97.	247.	10.27	0.35	0.13	244.7	7.91	256.3	7	66.7	0.92 90
HEGT00	28003	0.	0.	1916.	0.	1352.	-1118.	A 97.	97.	6.25	0.35	0.11	135.4	4.38	241.3	15	56.3	0.77 111
HEGT00	28003	0.	0.	1939.	0.	1359.	-1118.	A 97.	100.	6.01	0.35	0.11	134.3	4.34	236.4	15	55.8	0.77 100
FCMCCL	28003	0.	0.	1598.	0.	1352.	-800.	97.	97.	7.76	0.35	0.26	133.0	4.30	284.0	17	52.1	0.71 128
FCMCCL	28003	0.	0.	2001.	0.	1551.	-537.	97.	178.	10.16	0.35	0.34	164.3	5.31	280.2	15	49.0	0.67 119
FCSTCL	28003	0.	0.	1578.	0.	1352.	-780.	97.	97.	7.61	0.35	0.27	137.6	4.45	297.6	16	52.1	0.71 129
FCSTCL	28003	0.	0.	2352.	0.	1751.	-221.	97.	260.	12.09	0.35	0.39	195.1	6.30	203.1	15	44.4	0.61 116
IGOTST	28003	0.	0.	1701.	0.	1352.	-903.	97.	97.	4.95	0.35	0.21	123.0	3.97	246.8	19	50.0	0.69 122
IGOTST	28003	0.	0.	2192.	0.	1552.	-726.	97.	179.	5.00	0.35	0.27	155.7	5.03	242.5	17	46.4	0.64 111
GTSOAR	28003	0.	1687.	0.	0.	-335.	798.	97.	97.	2.26	0.35	0.22	55.1	1.78	111.4	30	61.8	0.85 140
GTSOAR	28003	0.	2233.	0.	0.	-654.	1558.	97.	190.	2.45	0.35	0.29	73.1	2.36	111.7	19	62.6	0.86 128
GTAC08	28003	0.	1599.	0.	0.	-246.	798.	97.	97.	2.11	0.35	0.20	50.3	1.63	107.4	43	58.4	0.80 146
GTAC08	28003	0.	1840.	0.	0.	-369.	1196.	97.	146.	2.02	0.35	0.31	57.3	1.85	106.2	37	56.9	0.78 137
GTAC12	28003	0.	1608.	0.	0.	-255.	798.	97.	97.	2.20	0.35	0.25	53.5	1.73	113.5	37	59.1	0.81 144
GTAC12	28003	0.	2040.	0.	0.	-479.	1497.	97.	182.	2.32	0.35	0.33	68.6	2.22	114.8	28	57.4	0.79 134
GTAC16	28003	0.	1619.	0.	0.	-266.	798.	97.	97.	2.21	0.35	0.25	53.6	1.73	113.1	36	59.5	0.82 144
GTAC16	28003	0.	2190.	0.	0.	-567.	1702.	97.	207.	2.58	0.35	0.34	78.5	2.54	122.3	22	58.4	0.80 130
GTWC16	28003	0.	1666.	0.	0.	-313.	798.	97.	97.	2.16	0.35	0.23	51.0	1.65	104.4	37	60.6	0.83 142
GTWC16	28003	0.	2340.	0.	0.	-696.	1774.	97.	216.	2.49	0.35	0.32	74.0	2.39	107.9	21	60.8	0.84 123
CC1626	28003	0.	1674.	0.	0.	-322.	798.	97.	97.	2.42	0.35	0.22	55.7	1.80	113.6	28	61.8	0.85 140

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER RECD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQLV	ROI (%)	LEVL CHRG	NORM WRTH ENRG
CC1626	28003	0.	3005.	0.	0.	-1086.	2693.	97.	328.	3.27	0.35	0.35	95.0	3.07	107.8	15	62.6	0.86 119
CC1622	28003	0.	1651.	0.	0.	-298.	798.	97.	97.	2.44	0.35	0.23	57.6	1.86	119.1	28	61.3	0.84 141
CC1622	28003	0.	2741.	0.	0.	-904.	2420.	97.	295.	3.23	0.35	0.36	97.5	3.15	121.4	16	61.2	0.84 122
CC1222	28003	0.	1646.	0.	0.	-293.	798.	97.	97.	2.42	0.35	0.23	55.8	1.80	115.7	30	60.9	0.84 142
CC1222	28003	0.	2718.	0.	0.	-885.	2406.	97.	293.	3.15	0.35	0.36	91.3	2.95	114.6	17	60.0	0.82 123
CC0822	28003	0.	1610.	0.	0.	-257.	798.	97.	97.	2.28	0.35	0.25	50.5	1.63	107.0	40	59.0	0.81 145
CC0822	28003	0.	2297.	0.	0.	-614.	1904.	97.	232.	2.61	0.35	0.36	71.9	2.32	106.9	27	56.3	0.77 131
STIG15	28003	0.	1971.	0.	0.	-619.	798.	97.	97.	3.32	0.35	0.00	61.5	1.99	106.4	5	72.6	1.00 125
STIG15	28003	0.	72846.	0.	0.	-51784.	66784.	97.	8134.	122.67	0.35	0.17	1960.1	63.33	91.8	0	1025.1	14.08 389
STIG10	28003	0.	1894.	0.	0.	-541.	798.	97.	97.	2.89	0.35	0.12	55.5	1.79	100.1	15	69.1	0.95 130
STIG10	28003	0.	7147.	0.	0.	-4188.	6176.	97.	752.	10.23	0.35	0.22	193.4	6.25	92.3	0	125.9	1.73 98
STIG15	28003	0.	1658.	0.	0.	-506.	798.	97.	97.	2.89	0.35	0.14	54.1	1.75	99.4	18	67.8	0.93 132
STIG15	28003	0.	4492.	0.	0.	-2296.	3523.	97.	441.	6.71	0.35	0.23	124.6	4.02	94.6	0	93.4	1.28 103
DEADV3	28003	0.	1792.	0.	0.	-440.	798.	97.	97.	3.31	0.35	0.17	92.4	2.99	176.0	8	70.2	0.96 128
DEADV3	28003	0.	4620.	0.	0.	-2274.	4124.	97.	502.	8.86	0.35	0.29	315.2	10.18	232.8	0	107.4	1.47 104
DEHTPM	28003	0.	1617.	0.	0.	-265.	798.	97.	97.	3.40	0.35	0.25	93.4	3.02	197.2	13	64.8	0.89 136
DEHTPM	28003	0.	2210.	0.	0.	-577.	1739.	97.	212.	4.87	0.35	0.34	160.0	5.17	247.0	7	69.0	0.95 125
DES0A3	28003	1848.	0.	0.	-1848.	1352.	798.	97.	97.	3.71	0.35	0.14	108.3	3.50	199.9	0	87.3	1.20 128
DES0A3	28003	5539.	0.	0.	-5539.	2551.	4811.	97.	586.	12.17	0.35	0.25	445.1	14.38	274.2	0	176.6	2.43 118
DES0A3	28003	0.	1848.	0.	0.	-496.	798.	97.	97.	3.71	0.35	0.14	108.3	3.50	199.9	4	74.0	1.02 123
DES0A3	28003	0.	5539.	0.	0.	-2987.	4811.	97.	586.	12.17	0.35	0.25	445.1	14.38	274.2	0	136.8	1.88 105
GTSCAD	28003	1634.	0.	0.	-1634.	1352.	798.	97.	97.	2.11	0.35	0.24	49.5	1.60	103.3	11	71.2	0.98 149
GTSCAD	28003	2056.	0.	0.	-2056.	1546.	1445.	97.	176.	2.11	0.35	0.31	60.1	1.94	99.8	5	72.8	1.00 139
GTRA08	28003	1676.	0.	0.	-1676.	1352.	798.	97.	97.	2.42	0.35	0.22	61.2	1.98	124.5	0	74.3	1.02 143
GTRA08	28003	2816.	0.	0.	-2816.	1837.	2419.	97.	295.	3.46	0.35	0.34	111.0	3.59	134.5	0	85.2	1.17 126
GTRA12	28003	1663.	0.	0.	-1663.	1352.	798.	97.	97.	2.38	0.35	0.23	59.9	1.94	122.9	2	73.7	1.01 144
GTRA12	28003	2735.	0.	0.	-2735.	1818.	2356.	97.	287.	3.37	0.35	0.34	107.7	3.48	134.3	0	83.2	1.14 127
GTRA16	28003	1659.	0.	0.	-1659.	1352.	798.	97.	97.	2.40	0.35	0.23	63.8	2.06	131.2	1	74.0	1.02 143
GTRA16	28003	2613.	0.	0.	-2613.	1770.	2195.	97.	267.	3.37	0.35	0.34	108.2	3.50	141.3	0	82.5	1.13 128
GTR208	28003	1660.	0.	0.	-1660.	1352.	798.	97.	97.	2.26	0.35	0.23	55.4	1.79	113.8	4	73.0	1.00 145
GTR208	28003	2355.	0.	0.	-2355.	1656.	1813.	97.	221.	2.63	0.35	0.32	79.6	2.57	115.4	0	78.0	1.07 133
GTR212	28003	1662.	0.	0.	-1662.	1352.	798.	97.	97.	2.30	0.35	0.23	56.7	1.83	116.4	4	73.2	1.01 145
GTR212	28003	2449.	0.	0.	-2449.	1695.	1945.	97.	237.	2.79	0.35	0.33	85.8	2.77	119.6	0	79.3	1.09 132
GTR216	28003	1652.	0.	0.	-1652.	1352.	798.	97.	97.	2.35	0.35	0.23	58.8	1.90	121.5	4	73.1	1.00 145
GTR216	28003	2459.	0.	0.	-2459.	1710.	1994.	97.	243.	2.96	0.35	0.34	92.3	2.98	128.1	0	79.3	1.09 131
GTRW08	28003	1751.	0.	0.	-1751.	1352.	798.	97.	97.	2.34	0.35	0.19	57.5	1.86	112.0	0	76.8	1.05 141
GTRW08	28003	3414.	0.	0.	-3414.	1975.	2884.	97.	351.	3.53	0.35	0.30	111.9	3.62	111.9	0	97.3	1.34 121
GTRW12	28003	1721.	0.	0.	-1721.	1352.	798.	97.	97.	2.33	0.35	0.20	57.4	1.86	113.9	0	75.6	1.04 142
GTRW12	28003	3340.	0.	0.	-3340.	1988.	2926.	97.	356.	3.54	0.35	0.32	112.7	3.64	115.1	0	93.5	1.28 122
GTRW16	28003	1715.	0.	0.	-1715.	1352.	798.	97.	97.	2.36	0.35	0.20	58.5	1.89	116.5	0	75.5	1.04 142
GTRW16	28003	3150.	0.	0.	-3150.	1923.	2706.	97.	330.	3.29	0.35	0.32	103.3	3.34	111.9	0	90.2	1.24 124
GTR308	28003	1780.	0.	0.	-1780.	1352.	798.	97.	97.	2.30	0.35	0.17	55.7	1.80	106.8	0	77.7	1.07 140
GTR308	28003	2952.	0.	0.	-2952.	1772.	2202.	97.	268.	2.85	0.35	0.26	86.1	2.78	99.6	0	92.7	1.27 125
GTR312	28003	1706.	0.	0.	-1706.	1352.	798.	97.	97.	2.28	0.35	0.21	55.4	1.79	110.9	0	74.8	1.03 143

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CASE-PEC-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NO COGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTR312	28003	2857.	0.	0.	-2857.	1816.	2351.	97.	286.	2.89	0.35	0.31	88.2	2.85	105.3	0	85.5	1.17 127
GTR316	28003	1708.	0.	0.	-1708.	1352.	798.	97.	97.	2.31	0.35	0.21	56.7	1.83	113.3	0	75.0	1.03 143
GTR316	28003	2838.	0.	0.	-2838.	1806.	2315.	97.	282.	2.95	0.35	0.31	90.7	2.93	109.1	0	86.0	1.18 127
FCPADS	28003	1812.	0.	0.	-1812.	1352.	798.	97.	97.	12.29	0.35	0.16	86.0	2.78	162.0	0	92.2	1.27 135
FCPADS	28003	5571.	0.	0.	-5571.	2636.	5094.	97.	620.	68.95	0.35	0.28	327.9	10.60	200.9	0	215.3	2.96 136
FCMCDS	28003	1698.	0.	0.	-1698.	1352.	798.	97.	97.	11.63	0.35	0.21	89.5	2.89	179.8	0	87.4	1.20 139
FCMCDS	28003	4064.	0.	0.	-4064.	2318.	4029.	97.	491.	51.89	0.35	0.36	299.7	9.68	251.6	0	162.7	2.23 133

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-----FUEL USE IN BTU*10**6-----																
COGENERATION CASE **NOCOGEN - COGEN**																
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI
								MW	MW		RATIO		*10**6			(%)
ONOCGN	28121	0.	606.	985.	0.	0.	0.	120.	0.	0.54	1.55	0.	8.6	1.00	94.6	0
STM141	28121	0.	635.	835.	0.	-29.	150.	120.	18.	0.75	1.55	0.08	12.5	1.44	110.4	43
STM141	28121	0.	249.	1220.	0.	357.	-235.	F 120.	18.	1.56	1.55	0.08	25.3	2.92	223.9	24
STM141	28121	0.	249.	1220.	0.	357.	-235.	A 120.	18.	1.40	1.55	0.08	18.5	2.14	163.7	39
STM088	28121	0.	628.	872.	0.	-21.	113.	120.	14.	0.72	1.55	0.06	11.2	1.30	104.6	46
STM088	28121	0.	261.	1239.	0.	345.	-254.	F 120.	14.	1.47	1.55	0.06	23.4	2.71	217.8	23
STM088	28121	0.	261.	1239.	0.	345.	-254.	A 120.	14.	1.35	1.55	0.06	17.5	2.03	163.0	37
PFBSTM	28121	0.	225.	1181.	0.	382.	-195.	120.	28.	2.32	1.55	0.12	30.4	3.52	242.2	23
TISTNT	28121	0.	668.	677.	0.	-62.	308.	120.	37.	2.31	1.55	0.15	72.8	8.43	533.0	3
TISTNT	28121	0.	202.	1144.	0.	404.	-158.	120.	37.	3.30	1.55	0.15	92.2	10.67	674.9	6
TIHRSQ	28121	0.	658.	848.	0.	-52.	137.	120.	17.	1.89	1.55	0.05	61.9	7.17	522.3	0
TIHRSQ	28121	0.	253.	1253.	0.	353.	-268.	120.	17.	2.80	1.55	0.05	79.5	9.20	669.9	2
STIRL	28121	563.	190.	635.	-563.	416.	350.	120.	43.	1.21	1.55	0.13	30.3	3.50	183.5	2
STIRL	28121	0.	753.	635.	0.	-147.	350.	120.	43.	1.22	1.55	0.13	30.3	3.51	183.7	14
STIRL	28121	0.	190.	1198.	0.	416.	-213.	120.	43.	2.37	1.55	0.13	53.0	6.13	321.0	15
HEGT85	28121	0.	0.	1348.	0.	606.	-363.	A 120.	120.	6.08	1.55	0.15	154.6	17.90	391.5	7
HEGT85	28121	0.	0.	1661.	0.	695.	-378.	A 120.	156.	6.74	1.55	0.16	178.6	20.67	366.9	6
HEGT60	28121	0.	138.	1301.	0.	468.	-316.	A 120.	64.	3.66	1.55	0.10	93.7	10.85	381.5	7
HEGT00	28121	0.	227.	1294.	0.	379.	-309.	A 120.	28.	2.29	1.55	0.04	54.0	6.25	344.1	9
FCMCCL	28121	0.	172.	1135.	0.	434.	-150.	120.	50.	3.54	1.55	0.18	64.8	7.50	395.7	12
FCSTCL	28121	0.	100.	1021.	0.	506.	-36.	120.	79.	4.42	1.55	0.30	80.2	9.28	398.0	15
IGGTST	28121	0.	157.	1169.	0.	449.	-183.	120.	56.	2.33	1.55	0.17	62.6	7.25	333.2	15
GTSOAR	28121	0.	780.	557.	0.	-174.	428.	120.	52.	0.97	1.55	0.16	23.2	2.68	129.0	27
GTAC08	28121	0.	710.	650.	0.	-104.	335.	120.	41.	0.82	1.55	0.15	18.2	2.10	120.2	37
GTAC12	28121	0.	739.	567.	0.	-133.	418.	120.	51.	0.92	1.55	0.18	21.5	2.49	128.8	34
GTAC16	28121	0.	761.	513.	0.	-155.	472.	120.	58.	1.00	1.55	0.20	24.5	2.83	137.4	31
GTWC16	28121	0.	801.	488.	0.	-195.	497.	120.	61.	1.00	1.55	0.19	24.0	2.78	125.0	30
CC1626	28121	0.	929.	168.	0.	-323.	817.	120.	100.	1.42	1.55	0.31	33.1	3.83	128.5	30
CC1622	28121	0.	876.	249.	0.	-270.	736.	120.	90.	1.37	1.55	0.29	32.8	3.80	139.6	29
CC1222	28121	0.	870.	252.	0.	-264.	733.	120.	89.	1.35	1.55	0.29	31.1	3.60	133.3	31
CC0822	28121	0.	791.	399.	0.	-185.	586.	120.	71.	1.19	1.55	0.25	25.9	3.00	131.7	34
STIG15	28121	0.	1370.	0.	0.	-764.	965.	120.	120.	2.97	1.55	0.14	45.9	5.32	114.5	5
STIG15	28121	0.	20385.	0.	0.	-14491.	18688.	120.	2276.	34.93	1.55	0.17	565.4	65.44	94.7	0
STIG10	28121	0.	1274.	0.	0.	-668.	985.	120.	120.	2.49	1.55	0.20	42.5	4.92	113.9	13
STIG10	28121	0.	2000.	0.	0.	-1172.	1728.	120.	210.	3.38	1.55	0.22	62.8	7.27	107.2	0
STIG15	28121	0.	1230.	0.	0.	-624.	985.	120.	120.	2.33	1.55	0.23	39.5	4.57	109.6	17
STIG15	28121	0.	1257.	0.	0.	-642.	1014.	120.	124.	2.26	1.55	0.23	39.7	4.59	107.7	16
DEADV3	28121	0.	1134.	0.	0.	-528.	985.	120.	120.	2.76	1.55	0.29	81.0	9.38	243.8	9
DEADV3	28121	0.	1222.	0.	0.	-585.	1091.	120.	133.	2.80	1.55	0.29	87.7	10.15	244.8	8
DEHTPM	28121	0.	761.	485.	0.	-155.	500.	120.	61.	1.70	1.55	0.22	46.1	5.33	255.0	14
DESOA3	28121	1202.	0.	0.	-1202.	606.	965.	120.	120.	3.31	1.55	0.24	101.0	11.69	286.8	0
DESOA3	28121	1449.	0.	0.	-1449.	688.	1259.	120.	153.	3.77	1.55	0.26	124.9	14.45	294.0	0
DESOA3	28121	0.	1202.	0.	0.	-596.	905.	120.	120.	3.31	1.55	0.24	101.0	11.69	286.8	4

DATE 06/08/79
CASE-PEO-ADV-DES-ENOR

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	R31	LEVL CHRG	NORM WRTN ENRG
								MW	MW		RATIO		*10**6			(%)		
DESOA3	28121	0.	1449.	0.	0.	-762.	1259.	120.	153.	3.77	1.55	0.26	124.9	14.45	294.0	1	55.2	1.10 117
QTSOAD	28121	572.	174.	584.	-572.	432.	402.	120.	49.	0.86	1.55	0.16	19.0	2.20	113.3	20	47.8	0.95 116
QTRA08	20121	762.	99.	330.	-762.	507.	655.	120.	80.	1.26	1.55	0.25	33.4	3.87	149.6	14	46.9	0.93 122
QTRA12	20121	745.	103.	344.	-745.	503.	642.	120.	78.	1.22	1.55	0.25	31.9	3.69	146.0	15	46.5	0.92 122
QTRA16	28121	715.	115.	385.	-715.	491.	600.	120.	73.	1.22	1.55	0.24	32.1	3.71	153.2	14	47.0	0.93 120
QTR208	28121	648.	145.	486.	-648.	461.	499.	120.	61.	1.03	1.55	0.20	25.1	2.91	132.3	15	47.6	0.95 117
QTR212	28121	674.	134.	450.	-674.	472.	535.	120.	65.	1.09	1.55	0.21	27.1	3.14	137.3	15	47.4	0.94 118
QTR216	28121	676.	130.	437.	-676.	476.	549.	120.	67.	1.13	1.55	0.22	29.0	3.36	146.3	15	47.2	0.94 118
QTRW08	20121	927.	60.	202.	-927.	546.	703.	120.	95.	1.29	1.55	0.25	33.5	3.88	123.2	11	48.0	0.95 123
QTRW12	28121	912.	56.	186.	-912.	550.	799.	120.	97.	1.30	1.55	0.27	33.8	3.91	126.5	14	46.9	0.93 125
QTRW16	20121	865.	72.	242.	-865.	534.	743.	120.	90.	1.28	1.55	0.26	33.5	3.88	132.4	13	47.3	0.94 123
QTR308	20121	802.	116.	387.	-802.	490.	598.	120.	73.	1.12	1.55	0.18	27.5	3.18	116.9	7	49.8	0.99 116
QTR312	28121	791.	100.	335.	-791.	506.	651.	120.	79.	1.14	1.55	0.23	28.5	3.30	123.2	14	47.5	0.94 121
QTR316	20121	786.	103.	344.	-786.	503.	641.	120.	78.	1.17	1.55	0.23	29.5	3.41	127.9	13	47.8	0.95 120
FCPADS	28121	1174.	0.	0.	-1174.	606.	985.	120.	120.	13.64	1.55	0.26	74.0	8.56	215.0	0	65.9	1.31 137
FCPADS	20121	1559.	0.	0.	-1559.	738.	1425.	120.	174.	19.18	1.55	0.28	100.9	11.68	220.9	0	78.4	1.56 131
FCMCDS	28121	1033.	0.	0.	-1033.	606.	985.	120.	120.	12.79	1.55	0.35	78.0	9.02	257.5	0	60.2	1.20 145
FCMCDS	28121	1137.	0.	0.	-1137.	649.	1128.	120.	137.	14.36	1.55	0.36	86.6	10.02	259.8	0	63.2	1.26 136

DATE 06/08/77

L&SE-PEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																				
COGENERATION CASE								**NOCOGEN - COGEN**		POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	MW	POWER	MW	/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG	ENRG
ONOCGN	28191	0.	1227.	249.	0.	0.	0.	30.	0.	1.28	0.11	0.	31.6	1.00	93.4	0	48.2	1.00	80	
STM141	28191	0.	1275.	0.	0.	-47.	249.	30.	30.	1.73	0.11	0.14	34.8	1.10	93.1	65	43.2	0.90	142	
STM141	28191	0.	1291.	0.	0.	-54.	283.	30.	35.	1.48	0.11	0.15	33.8	1.07	89.2	93	42.6	0.88	133	
STM141	28191	0.	0.	1275.	0.	1227.	-1025.	F	30.	30.	3.93	0.11	0.14	70.8	2.25	189.7	25	33.5	0.69	122
STM141	28191	0.	0.	1291.	0.	1238.	-1008.	F	30.	35.	3.46	0.11	0.15	66.0	2.09	174.4	30	32.0	0.60	113
STM141	28191	0.	0.	1275.	0.	1227.	-1026.	A	30.	30.	3.65	0.11	0.14	51.8	1.64	138.7	45	31.2	0.65	127
STM141	28191	0.	0.	1291.	0.	1238.	-1008.	A	30.	35.	3.31	0.11	0.15	50.7	1.61	134.0	49	30.2	0.63	118
STM088	28191	0.	1258.	85.	0.	-31.	164.	30.	20.	1.38	0.11	0.09	30.1	0.95	83.4	999	44.4	0.92	120	
STM088	28191	0.	25.	1318.	0.	1202.	-1069.	F	30.	20.	3.22	0.11	0.09	61.2	1.94	169.5	29	34.3	0.71	107
STM088	28191	0.	25.	1318.	0.	1202.	-1069.	A	30.	20.	3.19	0.11	0.09	48.5	1.54	134.3	48	32.9	0.68	111
PFBSTM	28191	0.	0.	1283.	0.	1227.	-1034.	30.	30.	4.73	0.11	0.13	65.4	2.07	173.9	27	33.8	0.70	123	
PFBSTM	28191	0.	0.	1452.	0.	1324.	-879.	30.	70.	5.68	0.11	0.23	65.7	2.08	154.4	32	30.3	0.63	115	
TISTMT	28191	0.	1278.	0.	0.	-51.	249.	30.	30.	3.26	0.11	0.13	92.9	2.94	247.9	0	51.1	1.06	126	
TISTMT	28191	0.	1561.	0.	0.	-167.	809.	30.	99.	5.21	0.11	0.29	178.6	5.66	390.4	0	57.9	1.20	114	
TISTMT	28191	0.	0.	1278.	0.	1227.	-1030.	30.	30.	5.50	0.11	0.13	132.5	4.20	353.0	9	41.8	0.87	116	
TISTMT	28191	0.	0.	1561.	0.	1395.	-752.	30.	99.	7.59	0.11	0.29	225.3	7.14	492.5	6	46.0	0.95	106	
TIHRSG	28191	0.	1373.	0.	0.	-146.	249.	30.	30.	3.61	0.11	0.07	111.4	3.53	276.9	0	56.0	1.16	118	
TIHRSG	28191	0.	1647.	0.	0.	-328.	558.	30.	68.	5.06	0.11	0.12	180.1	5.71	373.1	0	65.7	1.36	106	
TIHRSG	28191	0.	0.	1373.	0.	1227.	-1125.	30.	30.	5.95	0.11	0.07	150.8	4.78	374.6	6	45.9	0.95	109	
TIHRSG	28191	0.	0.	1647.	0.	1320.	-1089.	30.	68.	7.62	0.11	0.12	228.7	7.25	473.8	2	53.6	1.11	97	
STIRL	28191	1343.	0.	0.	-1343.	1227.	249.	30.	30.	2.21	0.11	0.09	53.2	1.69	135.2	0	56.5	1.17	134	
STIRL	28191	1917.	0.	0.	-1917.	1452.	1002.	30.	122.	3.16	0.11	0.22	97.8	3.10	174.1	0	65.8	1.36	111	
STIRL	28191	0.	1343.	0.	0.	-115.	249.	30.	30.	2.21	0.11	0.09	53.2	1.69	135.3	7	47.6	0.99	129	
STIRL	28191	0.	1917.	0.	0.	-465.	1002.	30.	122.	3.16	0.11	0.22	97.9	3.10	174.4	0	53.0	1.10	104	
STIRL	28191	0.	0.	1343.	0.	1227.	-1094.	30.	30.	4.53	0.11	0.09	93.4	2.96	237.4	16	37.5	0.78	113	
STIRL	28191	0.	0.	1917.	0.	1452.	-915.	30.	122.	6.61	0.11	0.22	174.8	5.54	311.2	9	40.8	0.85	91	
HEOTGO	28191	0.	0.	1485.	0.	1227.	-1237.	A	30.	30.	4.79	0.11	-0.01	103.9	3.29	238.0	11	41.6	0.88	102
HEOTGO	28191	0.	0.	6901.	0.	2438.	-2600.	A	30.	524.	20.38	0.11	-0.02	508.6	16.12	251.5	0	101.2	2.10	68
HEOTGO	28191	0.	0.	1421.	0.	1227.	-1172.	A	30.	30.	4.67	0.11	0.04	98.4	3.12	236.2	13	39.7	0.82	107
HEOTGO	28191	0.	0.	2121.	0.	1421.	-1223.	A	30.	109.	6.28	0.11	0.09	143.1	4.54	230.3	8	43.4	0.90	81
FCMCCL	28191	0.	0.	1305.	0.	1227.	-1056.	30.	30.	5.07	0.11	0.12	99.5	3.15	260.3	13	38.5	0.80	116	
FCMCCL	28191	0.	0.	2085.	0.	1609.	-550.	30.	186.	10.12	0.11	0.33	169.3	5.37	277.2	11	35.5	0.74	93	
FCSTCL	28191	0.	0.	1299.	0.	1227.	-1050.	30.	30.	5.04	0.11	0.12	98.3	3.11	258.2	14	38.3	0.79	117	
FCSTCL	28191	0.	0.	2311.	0.	1743.	-336.	30.	241.	11.42	0.11	0.38	190.4	6.03	281.1	11	32.7	0.68	92	
IGOTST	28191	0.	0.	1341.	0.	1227.	-1093.	30.	30.	4.34	0.11	0.09	94.1	2.98	239.3	15	37.8	0.78	114	
IGOTST	28191	0.	0.	2151.	0.	1546.	-834.	30.	160.	4.89	0.11	0.25	151.4	4.80	240.1	12	34.2	0.71	86	
OTSQAR	28191	0.	1350.	0.	0.	-123.	249.	30.	30.	1.86	0.11	0.09	42.8	1.36	108.1	15	46.3	0.96	132	
OTSQAR	28191	0.	2577.	0.	0.	-887.	1798.	30.	219.	2.85	0.11	0.26	87.7	2.78	116.2	0	52.9	1.10	98	
GTAC08	28191	0.	1303.	0.	0.	-76.	249.	30.	30.	1.81	0.11	0.12	40.8	1.29	106.7	26	44.7	0.93	137	
GTAC08	28191	0.	1900.	0.	0.	-379.	1235.	30.	150.	2.06	0.11	0.31	58.9	1.87	105.8	19	42.0	0.87	113	
GTAC12	28191	0.	1307.	0.	0.	-80.	249.	30.	30.	1.82	0.11	0.11	41.5	1.31	108.2	24	44.9	0.93	136	
GTAC12	28191	0.	2114.	0.	0.	-497.	1551.	30.	189.	2.38	0.11	0.33	70.8	2.24	114.3	14	42.6	0.98	100	
GTAC16	28191	0.	1315.	0.	0.	-88.	249.	30.	30.	1.84	0.11	0.11	42.3	1.34	109.9	21	45.2	0.94	135	

HONEYWELL PAGE PRINTING SYSTEM - P1108-02

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EGVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
GTAC16	20191	0.	2332.	0.	0.	-638.	1813.	30.	221.	2.70	0.11	0.33	82.5	2.61	120.7	10	44.6	0.93	104
GTWC16	20191	0.	1324.	0.	0.	-97.	249.	30.	30.	1.84	0.11	0.10	42.1	1.33	108.5	20	45.5	0.94	135
GTWC16	20191	0.	2416.	0.	0.	-716.	1831.	30.	223.	2.54	0.11	0.32	76.0	2.41	107.3	9	45.9	0.95	104
CC1626	20191	0.	1330.	0.	0.	-103.	249.	30.	30.	1.94	0.11	0.10	41.9	1.33	107.5	18	45.8	0.95	134
CC1626	20191	0.	2949.	0.	0.	-1043.	2521.	30.	307.	3.18	0.11	0.33	91.8	2.91	106.2	5	48.4	1.00	101
CC1622	20191	0.	1323.	0.	0.	-95.	249.	30.	30.	1.93	0.11	0.10	42.0	1.33	108.3	19	45.6	0.95	135
CC1622	20191	0.	2693.	0.	0.	-856.	2258.	30.	275.	3.14	0.11	0.34	94.1	2.98	119.2	6	47.1	0.98	102
CC1222	20191	0.	1321.	0.	0.	-94.	249.	30.	30.	1.92	0.11	0.10	41.3	1.31	106.7	20	45.5	0.94	135
CC1222	20191	0.	2667.	0.	0.	-845.	2239.	30.	273.	3.06	0.11	0.34	88.2	2.79	112.8	8	46.0	0.95	103
CC0822	20191	0.	1310.	0.	0.	-82.	249.	30.	30.	1.92	0.11	0.11	41.1	1.30	107.0	22	45.1	0.94	136
CC0022	20191	0.	2253.	0.	0.	-579.	1747.	30.	213.	2.53	0.11	0.34	69.1	2.19	104.7	14	42.4	0.88	108
DEHTPM	20191	0.	1342.	0.	0.	-115.	249.	30.	30.	2.41	0.11	0.09	59.3	1.88	150.9	4	48.4	1.00	127
DEHTPM	20191	0.	2269.	0.	0.	-677.	1468.	30.	179.	5.05	0.11	0.26	166.7	5.28	250.8	0	61.9	1.28	90
GTSOAO	20191	1318.	0.	0.	-1318.	1227.	249.	30.	30.	1.79	0.11	0.11	40.2	1.27	104.0	0	53.9	1.12	140
GTSOAO	20191	2162.	0.	0.	-2162.	1607.	1519.	30.	185.	2.18	0.11	0.31	62.6	1.98	98.8	0	58.2	1.21	116
GTRA08	20191	1350.	0.	0.	-1350.	1227.	249.	30.	30.	1.95	0.11	0.09	46.9	1.49	118.5	0	55.9	1.16	135
GTRA08	20191	3622.	0.	0.	-3622.	2062.	3111.	30.	379.	4.18	0.11	0.30	137.3	4.35	129.3	0	64.6	1.75	110
GTRA12	20191	1343.	0.	0.	-1343.	1227.	249.	30.	30.	1.88	0.11	0.09	43.8	1.39	111.4	0	55.2	1.14	137
GTRA12	20191	3350.	0.	0.	-3350.	2017.	2894.	30.	353.	3.91	0.11	0.32	127.5	4.04	129.5	0	78.7	1.63	109
GTRA16	20191	1339.	0.	0.	-1339.	1227.	249.	30.	30.	1.90	0.11	0.09	44.6	1.41	113.7	0	55.2	1.14	137
GTRA16	20191	3103.	0.	0.	-3103.	1931.	2606.	30.	317.	3.83	0.11	0.32	125.1	3.96	137.5	0	75.7	1.57	109
GTR208	20191	1336.	0.	0.	-1336.	1227.	249.	30.	30.	1.85	0.11	0.09	42.6	1.35	108.7	0	54.8	1.14	138
GTR208	20191	2660.	0.	0.	-2660.	1765.	2048.	30.	250.	3.02	0.11	0.30	94.1	2.96	120.7	0	68.3	1.42	109
GTR212	20191	1336.	0.	0.	-1336.	1227.	249.	30.	30.	1.86	0.11	0.09	43.1	1.37	110.1	0	54.9	1.14	138
GTR212	20191	2772.	0.	0.	-2772.	1810.	2201.	30.	268.	3.22	0.11	0.31	101.6	3.22	125.1	0	69.8	1.45	109
GTR216	20191	1333.	0.	0.	-1333.	1227.	249.	30.	30.	1.88	0.11	0.10	43.8	1.39	112.1	0	54.9	1.14	138
GTR216	20191	2801.	0.	0.	-2801.	1831.	2271.	30.	277.	3.42	0.11	0.32	109.7	3.40	133.6	0	70.3	1.46	109
GTRV08	20191	1368.	0.	0.	-1368.	1227.	249.	30.	30.	1.95	0.11	0.07	46.7	1.48	116.5	0	56.5	1.17	134
GTRV08	20191	4275.	0.	0.	-4275.	2231.	3510.	30.	440.	4.12	0.11	0.27	132.9	4.21	106.1	0	96.3	2.00	112
GTRV12	20191	1355.	0.	0.	-1355.	1227.	249.	30.	30.	1.95	0.11	0.08	46.7	1.48	117.5	0	56.0	1.16	135
GTRV12	20191	4012.	0.	0.	-4012.	2202.	3514.	30.	429.	4.03	0.11	0.30	130.3	4.13	110.8	0	80.6	1.04	112
GTRV16	20191	1351.	0.	0.	-1351.	1227.	249.	30.	30.	1.96	0.11	0.08	47.2	1.50	119.3	0	56.0	1.16	135
GTRV16	20191	3641.	0.	0.	-3641.	2087.	3128.	30.	381.	3.89	0.11	0.30	125.7	3.98	117.8	0	83.4	1.73	110
GTR308	20191	1378.	0.	0.	-1378.	1227.	249.	30.	30.	1.86	0.11	0.07	42.6	1.35	105.5	0	56.3	1.17	135
GTR308	20191	3544.	0.	0.	-3544.	1943.	2644.	30.	322.	3.34	0.11	0.23	104.0	3.30	100.2	0	80.1	1.83	106
GTR312	20191	1343.	0.	0.	-1343.	1227.	249.	30.	30.	1.85	0.11	0.09	42.5	1.35	108.0	0	55.1	1.14	138
GTR312	20191	3115.	0.	0.	-3115.	1919.	2563.	30.	312.	3.11	0.11	0.31	96.3	3.05	105.5	0	73.3	1.52	110
GTR316	20191	1344.	0.	0.	-1344.	1227.	249.	30.	30.	1.86	0.11	0.09	43.1	1.37	109.5	0	55.2	1.14	137
GTR316	20191	3085.	0.	0.	-3085.	1905.	2517.	30.	307.	3.17	0.11	0.30	98.8	3.13	109.3	0	73.6	1.53	109
FCPADS	20191	1371.	0.	0.	-1371.	1227.	249.	30.	30.	4.74	0.11	0.07	54.8	1.74	136.5	0	60.3	1.25	132
FCPADS	20191	5765.	0.	0.	-5765.	2727.	5271.	30.	642.	66.90	0.11	0.28	339.4	10.76	200.9	0	196.9	4.08	157
FCMCDS	20191	1335.	0.	0.	-1335.	1227.	249.	30.	30.	4.55	0.11	0.10	55.8	1.77	142.7	0	58.9	1.22	134
FCMCDS	20191	4206.	0.	0.	-4206.	2398.	4170.	30.	508.	50.30	0.11	0.36	361.0	9.64	246.7	0	145.2	3.01	141

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																	
***COGENERATION CASE** **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	
LEVL CHRG NORM WRTH ENRG																	
ONOCGN	28192	0.	2456.	497.	0.	0.	0.	61.	0.	2.08	0.11	0.	58.7	1.00	86.8	0	
STM141	28192	0.	2550.	0.	0.	-95.	497.	61.	61.	2.59	0.11	0.14	60.9	1.04	81.5	140	
STM141	28192	0.	2584.	0.	0.	-108.	567.	61.	69.	2.28	0.11	0.15	60.0	1.02	79.2	199	
STM141	28192	0.	0.	2550.	0.	2456.	-2053.	F	61.	61.	6.46	0.11	0.14	125.7	2.14	168.2	30
STM141	28192	0.	0.	2584.	0.	2476.	-2017.	F	61.	69.	6.10	0.11	0.15	128.5	2.19	169.7	29
STM141	28192	0.	0.	2550.	0.	2456.	-2053.	A	61.	61.	6.21	0.11	0.14	96.0	1.64	128.4	50
STM141	28192	0.	0.	2584.	0.	2476.	-2017.	A	61.	69.	5.78	0.11	0.15	92.2	1.57	121.8	56
STM088	28192	0.	2518.	170.	0.	-62.	328.	61.	40.	2.12	0.11	0.09	54.0	0.92	74.8	999	
STM088	28192	0.	51.	2637.	0.	2405.	-2140.	F	61.	40.	5.66	0.11	0.09	120.1	2.05	166.1	29
STM088	28192	0.	51.	2637.	0.	2405.	-2140.	A	61.	40.	5.58	0.11	0.09	89.0	1.52	123.1	53
PFBSTM	28192	0.	0.	2567.	0.	2456.	-2069.	61.	61.	8.09	0.11	0.13	115.6	1.97	153.8	32	
PFBSTM	28192	0.	0.	2906.	0.	2650.	-1750.	61.	140.	10.37	0.11	0.23	117.2	2.00	137.7	37	
TISTMT	28192	0.	2558.	0.	0.	-103.	497.	61.	61.	5.15	0.11	0.13	159.1	2.71	212.2	2	
TISTMT	28192	0.	3124.	0.	0.	-334.	1619.	61.	197.	9.84	0.11	0.29	354.3	6.04	387.0	0	
TISTMT	28192	0.	0.	2558.	0.	2456.	-2061.	61.	61.	8.99	0.11	0.13	227.1	3.87	303.0	12	
TISTMT	28192	0.	0.	3124.	0.	2791.	-1505.	61.	197.	14.34	0.11	0.29	447.9	7.63	489.2	6	
TIHRSG	28192	0.	2748.	0.	0.	-292.	497.	61.	61.	5.88	0.11	0.07	193.4	3.30	240.2	0	
TIHRSG	28192	0.	3296.	0.	0.	-655.	1116.	61.	136.	9.71	0.11	0.12	359.6	6.13	372.3	0	
TIHRSG	28192	0.	0.	2748.	0.	2456.	-2250.	61.	61.	9.94	0.11	0.07	262.8	4.48	326.4	8	
TIHRSG	28192	0.	0.	3296.	0.	2640.	-2180.	61.	135.	14.58	0.11	0.12	457.0	7.79	473.2	2	
STIRL	28192	2686.	0.	0.	-2686.	2456.	497.	61.	61.	3.62	0.11	0.09	100.1	1.71	127.1	0	
STIRL	28192	3836.	0.	0.	-3836.	2906.	2005.	61.	244.	5.71	0.11	0.22	191.9	3.27	170.7	0	
STIRL	28192	0.	2686.	0.	0.	-231.	497.	61.	61.	3.62	0.11	0.09	100.1	1.71	127.2	8	
STIRL	28192	0.	3836.	0.	0.	-930.	2005.	61.	244.	5.72	0.11	0.22	192.1	3.28	170.9	0	
STIRL	28192	0.	0.	2606.	0.	2456.	-2189.	61.	61.	7.78	0.11	0.09	176.1	3.00	223.7	17	
STIRL	28192	0.	0.	3836.	0.	2906.	-1831.	61.	244.	12.33	0.11	0.22	344.6	5.87	306.5	9	
HEGTGO	28192	0.	0.	2972.	0.	2456.	-2174.	A	61.	61.	8.21	0.11	-0.01	187.0	3.19	214.8	13
HEGTGO	28192	0.	0.	13809.	0.	4878.	-5203.	A	61.	1048.	40.06	0.11	-0.02	1017.5	17.34	251.4	0
HEGTGO	28192	0.	0.	2843.	0.	2456.	-2345.	A	61.	61.	7.77	0.11	0.04	167.6	2.86	201.2	16
HEGTGO	28192	0.	0.	4244.	0.	2044.	-2447.	A	61.	219.	10.80	0.11	0.09	234.2	3.99	188.3	11
FCMCCL	28192	0.	0.	2611.	0.	2456.	-2114.	61.	61.	8.62	0.11	0.12	172.6	2.94	225.5	16	
FCMCCL	28192	0.	0.	4172.	0.	3219.	-1120.	61.	372.	18.31	0.11	0.33	283.0	4.82	231.5	14	
FCSTCL	28192	0.	0.	2599.	0.	2456.	-2101.	61.	61.	8.49	0.11	0.12	170.7	2.91	224.1	17	
FCSTCL	28192	0.	0.	4625.	0.	3437.	-673.	61.	481.	20.58	0.11	0.38	318.2	5.42	234.8	14	
IGGTST	28192	0.	0.	2604.	0.	2456.	-2187.	61.	61.	6.91	0.11	0.09	160.6	2.74	204.2	19	
IGGTST	28192	0.	0.	4304.	0.	3094.	-1669.	61.	321.	8.34	0.11	0.25	279.1	4.76	221.3	14	
GTSOAR	28192	0.	2701.	0.	0.	-245.	497.	61.	61.	2.98	0.11	0.09	79.2	1.35	100.1	18	
GTSOAR	28192	0.	5157.	0.	0.	-1775.	3599.	61.	438.	4.78	0.11	0.26	157.5	2.69	104.2	0	
GTAC08	28192	0.	2608.	0.	0.	-153.	497.	61.	61.	2.89	0.11	0.12	75.6	1.29	99.0	29	
GTAC08	28192	0.	3803.	0.	0.	-758.	2471.	61.	301.	3.50	0.11	0.31	109.6	1.87	98.3	20	
GTACT2	28192	0.	2615.	0.	0.	-159.	497.	61.	61.	2.93	0.11	0.11	77.4	1.32	101.0	26	
GTACT2	28192	0.	4229.	0.	0.	-995.	3104.	61.	378.	4.10	0.11	0.33	132.6	2.26	107.0	15	
GTACT16	28192	0.	2631.	0.	0.	-175.	497.	61.	61.	2.97	0.11	0.11	79.1	1.35	102.6	23	

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
***COGENERATION CASE** **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC16	28192	0.	4667.	0.	0.	-1276.	3627.	61.	442.	4.80	0.11	0.33	159.4	2.72	116.6	10	88.1	0.92 104
GTWC16	28192	0.	2650.	0.	0.	-194.	497.	61.	61.	2.94	0.11	0.10	77.8	1.33	100.1	23	89.6	0.94 135
GTWC16	28192	0.	4835.	0.	0.	-1433.	3664.	61.	446.	4.33	0.11	0.32	140.0	2.39	98.8	10	89.7	0.94 104
CC1626	28192	0.	2661.	0.	0.	-206.	497.	61.	61.	3.05	0.11	0.10	77.6	1.32	99.5	20	90.2	0.94 134
CC1626	28192	0.	5900.	0.	0.	-2087.	5044.	61.	614.	5.31	0.11	0.33	166.5	2.84	96.3	6	93.9	0.98 101
CC1622	28192	0.	2646.	0.	0.	-191.	497.	61.	61.	3.06	0.11	0.10	78.5	1.34	101.2	20	89.9	0.94 135
CC1622	28192	0.	5389.	0.	0.	-1732.	4517.	61.	550.	5.23	0.11	0.34	170.1	2.90	107.7	8	91.1	0.95 102
CC1222	28192	0.	2643.	0.	0.	-188.	497.	61.	61.	3.04	0.11	0.10	77.3	1.32	99.8	22	89.6	0.94 135
CC1222	28192	0.	5336.	0.	0.	-1691.	4480.	61.	546.	5.05	0.11	0.34	157.8	2.69	100.9	10	88.9	0.93 103
CC0822	28192	0.	2620.	0.	0.	-165.	497.	61.	61.	3.02	0.11	0.11	76.2	1.30	99.3	25	88.8	0.93 136
CC0822	28192	0.	4509.	0.	0.	-1158.	3495.	61.	426.	4.27	0.11	0.34	129.4	2.21	97.9	16	83.1	0.87 107
DEHTPM	28192	0.	2685.	0.	0.	-229.	497.	61.	61.	4.06	0.11	0.09	115.4	1.97	146.6	5	95.7	1.00 126
DEHTPM	28192	0.	4540.	0.	0.	-1355.	2938.	61.	358.	9.35	0.11	0.26	328.7	5.60	247.1	0	122.6	1.28 98
GTSOAD	28192	2637.	0.	0.	-2637.	2456.	497.	61.	61.	2.87	0.11	0.11	74.9	1.28	96.9	0	106.5	1.11 140
GTSOAD	28192	4327.	0.	0.	-4327.	3215.	3040.	61.	370.	3.79	0.11	0.31	119.8	2.04	94.5	0	115.2	1.21 115
GTRA08	28192	2702.	0.	0.	-2702.	2456.	497.	61.	61.	3.09	0.11	0.09	84.3	1.44	106.5	0	110.0	1.15 136
GTRA08	28192	7248.	0.	0.	-7248.	4167.	6226.	61.	758.	7.19	0.11	0.30	249.4	4.25	117.4	0	165.4	1.73 109
GTRA12	28192	2686.	0.	0.	-2686.	2456.	497.	61.	61.	3.02	0.11	0.09	81.5	1.39	103.6	0	109.1	1.14 137
GTRA12	28192	6723.	0.	0.	-6723.	4037.	5791.	61.	705.	6.78	0.11	0.32	234.0	3.99	118.8	0	154.2	1.61 109
GTRA16	28192	2679.	0.	0.	-2679.	2456.	497.	61.	61.	3.06	0.11	0.09	82.8	1.41	105.4	0	109.0	1.14 137
GTRA16	28192	6209.	0.	0.	-6209.	3864.	5214.	61.	635.	6.51	0.11	0.32	224.0	3.82	123.1	0	147.5	1.54 108
GTR208	28192	2673.	0.	0.	-2673.	2456.	497.	61.	61.	2.97	0.11	0.09	79.1	1.35	101.0	0	108.3	1.13 138
GTR208	28192	5323.	0.	0.	-5323.	3531.	4099.	61.	499.	5.10	0.11	0.30	169.7	2.89	108.8	0	133.7	1.40 109
GTR212	28192	2673.	0.	0.	-2673.	2456.	497.	61.	61.	2.99	0.11	0.09	80.0	1.36	102.2	0	108.4	1.13 130
GTR212	28192	5546.	0.	0.	-5546.	3623.	4404.	61.	536.	5.39	0.11	0.31	180.7	3.08	111.2	0	136.3	1.43 109
GTR216	28192	2668.	0.	0.	-2668.	2456.	497.	61.	61.	3.02	0.11	0.10	81.4	1.39	104.1	0	108.4	1.13 138
GTR216	28192	5605.	0.	0.	-5605.	3665.	4545.	61.	554.	5.70	0.11	0.32	196.2	3.34	119.5	0	137.2	1.44 109
GTRW08	28192	2737.	0.	0.	-2737.	2456.	497.	61.	61.	3.08	0.11	0.07	83.5	1.42	104.1	0	111.2	1.16 135
GTRW08	28192	8554.	0.	0.	-8554.	4465.	7224.	61.	880.	7.06	0.11	0.27	241.9	4.12	96.5	0	189.0	1.98 111
GTRW12	28192	2712.	0.	0.	-2712.	2456.	497.	61.	61.	3.07	0.11	0.08	83.5	1.42	105.0	0	110.3	1.15 136
GTRW12	28192	8027.	0.	0.	-8027.	4407.	7031.	61.	856.	6.72	0.11	0.30	229.0	3.90	97.3	0	172.6	1.81 112
GTRW16	28192	2703.	0.	0.	-2703.	2456.	497.	61.	61.	3.09	0.11	0.08	84.3	1.44	106.4	0	110.1	1.15 136
GTRW16	28192	7286.	0.	0.	-7286.	4177.	6259.	61.	762.	6.48	0.11	0.30	220.7	3.76	103.3	0	162.3	1.70 110
GTR308	28192	2757.	0.	0.	-2757.	2456.	497.	61.	61.	2.98	0.11	0.07	78.9	1.34	97.7	0	111.3	1.17 135
GTR308	28192	7092.	0.	0.	-7092.	3887.	5290.	61.	644.	5.46	0.11	0.23	180.5	3.08	86.8	0	172.1	1.80 107
GTR312	28192	2688.	0.	0.	-2688.	2456.	497.	61.	61.	2.95	0.11	0.09	78.6	1.34	99.8	0	108.0	1.14 138
GTR312	28192	6233.	0.	0.	-6233.	3839.	5129.	61.	625.	5.23	0.11	0.31	173.0	2.95	94.7	0	143.6	1.50 110
GTR316	28192	2689.	0.	0.	-2689.	2456.	497.	61.	61.	2.98	0.11	0.09	79.6	1.36	101.0	0	108.9	1.14 137
GTR316	28192	6173.	0.	0.	-6173.	3811.	5036.	61.	613.	5.36	0.11	0.30	178.2	3.04	98.5	0	144.3	1.51 109
FCPADS	28192	2742.	0.	0.	-2742.	2456.	497.	61.	61.	8.84	0.11	0.07	103.0	1.76	128.2	0	119.2	1.25 132
FCPADS	28192	11535.	0.	0.	-11535.	5458.	10548.	61.	1285.	133.06	0.11	0.28	659.3	11.24	195.0	0	391.2	4.09 157
FCMCDS	28192	2671.	0.	0.	-2671.	2456.	497.	61.	61.	8.47	0.11	0.10	105.2	1.79	134.4	0	116.5	1.22 134
FCMCDS	28192	8416.	0.	0.	-8416.	4799.	8344.	61.	1016.	99.62	0.11	0.36	578.8	9.87	234.7	0	286.5	3.00 141

DATE 03/08/77
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GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

PAGE 61

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
ONOCGN	28212	0.	253.	33.	0.	0.	0.	4.	0.	0.46	0.07	0.	6.2	1.00	87.5	0	9.7	1.00 80	
STM141	28212	0.	260.	0.	0.	-6.	33.	4.	4.	0.80	0.07	0.09	9.7	1.56	128.0	6	9.7	0.99 131	
STM141	28212	0.	286.	0.	0.	-17.	87.	4.	11.	0.65	0.07	0.20	9.8	1.58	117.4	16	9.1	0.93 120	
STM141	28212	0.	0.	260.	0.	253.	-227.	F	4.	4.	1.58	0.07	0.09	21.7	3.47	285.0	10	8.5	0.87 114
STM141	28212	0.	0.	286.	0.	270.	-199.	F	4.	11.	1.30	0.07	0.20	20.1	3.22	239.6	16	7.2	0.74 103
STM141	28212	0.	0.	260.	0.	253.	-227.	A	4.	4.	1.48	0.07	0.09	19.7	3.15	258.4	12	8.2	0.84 114
STM141	28212	0.	0.	286.	0.	270.	-199.	A	4.	11.	1.16	0.07	0.20	14.9	2.38	177.6	25	6.5	0.67 106
STM088	28212	0.	260.	0.	0.	-6.	33.	4.	4.	0.80	0.07	0.09	9.4	1.51	123.9	7	9.7	0.99 132	
STM088	28212	0.	273.	0.	0.	-11.	60.	4.	7.	0.62	0.07	0.15	8.7	1.40	109.1	16	9.2	0.94 125	
STM088	28212	0.	0.	260.	0.	253.	-227.	F	4.	4.	1.57	0.07	0.09	21.4	3.42	280.8	11	8.4	0.86 114
STM088	28212	0.	0.	273.	0.	261.	-213.	F	4.	7.	1.23	0.07	0.15	18.5	2.96	231.4	16	7.4	0.76 106
STM088	28212	0.	0.	260.	0.	253.	-227.	A	4.	4.	1.48	0.07	0.09	18.9	3.02	248.2	13	8.1	0.83 115
STM088	28212	0.	0.	273.	0.	261.	-213.	A	4.	7.	1.12	0.07	0.15	14.0	2.25	175.4	25	6.8	0.70 109
PFBSTM	28212	0.	0.	260.	0.	253.	-227.		4.	4.	1.60	0.07	0.09	21.9	3.51	287.1	10	8.5	0.88 114
PFBSTM	28212	0.	0.	320.	0.	288.	-170.		4.	18.	1.86	0.07	0.27	24.6	3.94	262.5	13	7.4	0.76 96
TISTMT	28212	0.	260.	0.	0.	-7.	33.	4.	4.	1.03	0.07	0.09	19.7	3.16	258.8	0	11.0	1.13 121	
TISTMT	28212	0.	346.	0.	0.	-42.	204.	4.	25.	1.89	0.07	0.32	57.8	9.26	570.2	0	14.6	1.50 106	
TISTMT	28212	0.	0.	260.	0.	253.	-227.		4.	4.	1.79	0.07	0.09	32.1	5.15	421.9	5	9.8	1.01 112
TISTMT	28212	0.	0.	346.	0.	304.	-142.		4.	25.	2.69	0.07	0.32	73.5	11.76	724.4	0	12.7	1.30 99
TIHRSG	28212	0.	269.	0.	0.	-16.	33.	4.	4.	1.11	0.07	0.06	25.6	4.10	324.5	0	11.9	1.22 116	
TIHRSG	28212	0.	331.	0.	0.	-54.	112.	4.	14.	1.65	0.07	0.15	53.9	8.53	549.5	0	15.4	1.58 102	
TIHRSG	28212	0.	0.	269.	0.	253.	-236.		4.	4.	1.92	0.07	0.06	39.2	6.28	497.1	2	10.9	1.12 109
TIHRSG	28212	0.	0.	331.	0.	277.	-219.		4.	14.	2.43	0.07	0.15	68.4	10.95	705.6	0	13.8	1.41 96
STIRL	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.75	0.07	0.06	10.4	1.67	132.9	0	11.8	1.21 131	
STIRL	28212	422.	0.	0.	-422.	316.	241.	4.	29.	0.98	0.07	0.24	22.8	3.65	184.8	0	14.1	1.45 101	
STIRL	28212	0.	268.	0.	0.	-14.	33.	4.	4.	0.75	0.07	0.06	10.4	1.67	132.9	0	9.9	1.02 127	
STIRL	28212	0.	422.	0.	0.	-106.	241.	4.	29.	0.98	0.07	0.24	22.9	3.66	185.0	0	11.3	1.15 93	
STIRL	28212	0.	0.	268.	0.	253.	-235.		4.	4.	1.47	0.07	0.06	21.6	3.45	275.0	11	8.4	0.87 110
STIRL	28212	0.	0.	422.	0.	316.	-180.		4.	29.	1.90	0.07	0.24	40.5	6.48	327.7	7	8.7	0.89 81
HEGT60	28212	0.	0.	282.	0.	253.	-249.	A	4.	4.	1.53	0.07	0.02	27.3	4.37	330.5	6	9.4	0.97 104
HEGT60	28212	0.	0.	890.	0.	409.	-335.	A	4.	68.	3.81	0.07	0.08	97.8	15.65	374.8	0	17.8	1.83 74
HEGT00	28212	0.	0.	278.	0.	253.	-245.	A	4.	4.	1.52	0.07	0.03	26.5	4.25	326.2	7	9.3	0.95 105
HEGT00	28212	0.	0.	435.	0.	299.	-251.	A	4.	22.	1.97	0.07	0.10	46.6	7.46	365.6	2	11.1	1.14 73
FCMCCL	28212	0.	0.	263.	0.	253.	-231.		4.	4.	1.60	0.07	0.08	27.1	4.33	350.3	7	9.2	0.95 111
FCMCCL	28212	0.	0.	439.	0.	339.	-118.		4.	39.	2.90	0.07	0.34	54.4	9.71	423.4	5	9.9	1.02 90
FCSTCL	28212	0.	0.	263.	0.	253.	-230.		4.	4.	1.63	0.07	0.08	26.5	4.25	344.7	7	9.2	0.94 112
FCSTCL	28212	0.	0.	511.	0.	381.	-51.		4.	56.	3.48	0.07	0.39	64.1	10.26	427.8	5	9.6	0.96 94
IGGTST	28212	0.	0.	268.	0.	253.	-235.		4.	4.	1.62	0.07	0.06	26.3	4.22	335.7	7	9.2	0.95 110
IGGTST	28212	0.	0.	476.	0.	338.	-161.		4.	38.	1.97	0.07	0.27	50.6	8.10	362.5	6	9.3	0.96 81
GTSOAR	28212	0.	268.	0.	0.	-15.	33.	4.	4.	0.70	0.07	0.06	10.0	1.61	127.9	2	9.9	1.01 127	
GTSOAR	28212	0.	510.	0.	0.	-160.	356.		4.	43.	0.87	0.07	0.28	20.1	3.21	134.4	0	10.8	1.11 95
GTAC08	28212	0.	263.	0.	0.	-10.	33.	4.	4.	0.69	0.07	0.08	9.6	1.53	123.9	7	9.6	0.99 130	
GTAC08	28212	0.	401.	0.	0.	-80.	261.	4.	32.	0.72	0.07	0.31	15.1	2.42	128.3	10	9.1	0.93 102	

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC12	28212	0.	264.	0.	0.	-11.	33.	4.	4.	0.68	0.07	0.08	9.5	1.52	123.1	7	9.7	0.99 130
GTAC12	28212	0.	447.	0.	0.	-106.	328.	4.	40.	0.80	0.07	0.33	17.8	2.86	136.1	8	9.3	0.95 100
GTAC16	28212	0.	265.	0.	0.	-11.	33.	4.	4.	0.68	0.07	0.08	9.6	1.54	124.4	6	9.7	0.99 129
GTAC16	28212	0.	486.	0.	0.	-129.	377.	4.	46.	0.87	0.07	0.34	20.5	3.28	144.2	5	9.7	0.99 99
GTWC16	28212	0.	266.	0.	0.	-13.	33.	4.	4.	0.69	0.07	0.07	9.9	1.59	127.2	4	9.8	1.00 128
GTWC16	28212	0.	511.	0.	0.	-152.	387.	4.	47.	0.87	0.07	0.32	20.1	3.21	134.0	2	10.1	1.04 98
CC1626	28212	0.	267.	0.	0.	-13.	33.	4.	4.	0.76	0.07	0.07	9.8	1.57	125.1	2	9.9	1.01 128
CC1626	28212	0.	653.	0.	0.	-236.	583.	4.	71.	1.19	0.07	0.35	26.1	4.19	136.6	0	10.9	1.12 99
CC1622	28212	0.	266.	0.	0.	-12.	33.	4.	4.	0.75	0.07	0.07	9.6	1.53	122.8	3	9.8	1.01 129
CC1622	28212	0.	596.	0.	0.	-196.	523.	4.	64.	1.14	0.07	0.35	25.5	4.08	146.0	1	10.4	1.07 100
CC1222	28212	0.	265.	0.	0.	-12.	33.	4.	4.	0.75	0.07	0.07	9.4	1.51	120.9	4	9.8	1.00 130
CC1222	28212	0.	591.	0.	0.	-192.	520.	4.	63.	1.12	0.07	0.36	24.2	3.87	139.7	3	10.2	1.05 100
CC0822	28212	0.	264.	0.	0.	-11.	33.	4.	4.	0.76	0.07	0.08	9.6	1.54	124.0	4	9.8	1.00 130
CC0822	28212	0.	499.	0.	0.	-133.	411.	4.	50.	1.00	0.07	0.36	20.3	3.25	138.8	7	9.4	0.97 101
STIG15	28212	0.	279.	0.	0.	-25.	33.	4.	4.	0.72	0.07	0.03	9.7	1.56	118.9	0	10.2	1.04 124
STIG15	28212	0.	15923.	0.	0.	-11319.	14599.	4.	1778.	27.14	0.07	0.17	442.5	70.83	94.8	0	214.6	22.01 587
STIG10	28212	0.	276.	0.	0.	-22.	33.	4.	4.	0.70	0.07	0.04	9.5	1.52	117.7	0	10.0	1.03 125
STIG10	28212	0.	1562.	0.	0.	-916.	1350.	4.	164.	2.69	0.07	0.22	48.8	7.82	106.7	0	24.3	2.49 112
STIG1S	28212	0.	274.	0.	0.	-21.	33.	4.	4.	0.70	0.07	0.04	9.4	1.51	117.5	0	10.0	1.02 126
STIG1S	28212	0.	982.	0.	0.	-502.	792.	4.	96.	1.79	0.07	0.23	29.7	4.75	103.1	0	16.8	1.73 98
DEADV3	28212	0.	272.	0.	0.	-19.	33.	4.	4.	0.78	0.07	0.05	12.3	1.96	153.7	0	10.3	1.06 122
DEADV3	28212	0.	1142.	0.	0.	-594.	1019.	4.	124.	2.64	0.07	0.27	82.1	13.14	245.3	0	22.8	2.33 112
DEHTPM	28212	0.	266.	0.	0.	-12.	33.	4.	4.	0.82	0.07	0.07	12.7	2.03	162.8	0	10.2	1.05 124
DEHTPM	28212	0.	484.	0.	0.	-135.	354.	4.	43.	1.42	0.07	0.31	36.7	5.88	259.1	0	12.4	1.27 96
DESOA3	28212	275.	0.	0.	0.	-275.	253.	4.	4.	0.75	0.07	0.04	11.3	1.81	140.8	0	12.1	1.24 127
DESOA3	28212	1405.	0.	0.	0.	-1405.	608.	4.	149.	3.66	0.07	0.23	121.1	19.39	294.2	0	40.7	4.18 151
DESOA3	28212	0.	275.	0.	0.	-21.	33.	4.	4.	0.75	0.07	0.04	11.3	1.81	140.8	0	10.2	1.05 123
DESOA3	28212	0.	1405.	0.	0.	-797.	1221.	4.	149.	3.66	0.07	0.23	121.1	19.39	294.2	0	31.2	3.20 127
GTSOAD	28212	265.	0.	0.	0.	-265.	253.	4.	4.	0.68	0.07	0.07	9.4	1.50	120.3	0	11.5	1.18 134
GTSOAD	28212	454.	0.	0.	0.	-454.	339.	4.	39.	0.75	0.07	0.31	15.9	2.55	119.8	0	12.6	1.29 108
GTRA08	28212	268.	0.	0.	0.	-268.	253.	4.	4.	0.69	0.07	0.06	10.2	1.63	129.5	0	11.7	1.20 132
GTRA08	28212	667.	0.	0.	0.	-667.	415.	4.	70.	1.16	0.07	0.32	30.0	4.81	153.6	0	16.4	1.68 109
GTRA12	28212	267.	0.	0.	0.	-267.	253.	4.	4.	0.69	0.07	0.07	10.1	1.62	129.0	0	11.6	1.19 132
GTRA12	28212	638.	0.	0.	0.	-638.	408.	4.	67.	1.10	0.07	0.33	28.1	4.50	150.4	0	15.6	1.60 109
GTRA16	28212	267.	0.	0.	0.	-267.	253.	4.	4.	0.70	0.07	0.07	10.3	1.65	131.7	0	11.7	1.20 132
GTRA16	28212	602.	0.	0.	0.	-602.	395.	4.	62.	1.09	0.07	0.33	28.0	4.48	158.7	0	15.3	1.57 108
GTR208	28212	267.	0.	0.	0.	-267.	253.	4.	4.	0.69	0.07	0.07	9.9	1.58	126.7	0	11.6	1.19 133
GTR208	28212	533.	0.	0.	0.	-533.	366.	4.	50.	0.91	0.07	0.31	21.6	3.45	138.0	0	14.1	1.45 106
GTR212	28212	267.	0.	0.	0.	-267.	253.	4.	4.	0.69	0.07	0.07	10.0	1.60	128.1	0	11.6	1.19 132
GTR212	28212	555.	0.	0.	0.	-555.	375.	4.	54.	0.96	0.07	0.32	23.3	3.73	143.3	0	14.4	1.48 107
GTR216	28212	266.	0.	0.	0.	-266.	253.	4.	4.	0.69	0.07	0.07	10.1	1.62	129.3	0	11.6	1.19 132
GTR216	28212	558.	0.	0.	0.	-558.	379.	4.	55.	1.00	0.07	0.33	24.9	3.99	152.2	0	14.5	1.49 107
GTRW08	28212	271.	0.	0.	0.	-271.	253.	4.	4.	0.70	0.07	0.06	10.2	1.64	129.2	0	11.8	1.21 131
GTRW08	28212	801.	0.	0.	0.	-801.	446.	4.	82.	1.18	0.07	0.29	29.9	4.79	127.4	0	19.0	1.95 111

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW12	28212	269.	0.	0.	-269.	253.	33.	4.	4.	0.70	0.07	0.06	10.2	1.64	129.8	0	11.7	1.20	131
GTRW12	28212	773.	0.	0.	-773.	446.	677.	4.	82.	1.17	0.07	0.31	29.8	4.78	131.7	0	17.9	1.84	111
GTRW16	28212	269.	0.	0.	-269.	253.	33.	4.	4.	0.70	0.07	0.06	0.4	1.67	132.1	0	11.7	1.21	131
GTRW16	28212	719.	0.	0.	-719.	428.	618.	4.	75.	1.15	0.07	0.31	29.3	4.68	138.8	0	17.2	1.76	110
GTR308	28212	272.	0.	0.	-272.	253.	33.	4.	4.	0.69	0.07	0.05	9.9	1.59	124.8	0	11.8	1.21	131
GTR308	28212	687.	0.	0.	-687.	396.	512.	4.	62.	1.02	0.07	0.24	24.3	3.90	121.0	0	17.8	1.83	105
GTR312	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.69	0.07	0.06	10.0	1.61	127.8	0	11.7	1.20	132
GTR312	28212	639.	0.	0.	-639.	401.	526.	4.	64.	1.01	0.07	0.31	24.4	3.90	130.2	0	15.7	1.61	103
GTR316	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.70	0.07	0.06	10.2	1.64	130.0	0	11.7	1.20	131
GTR316	28212	634.	0.	0.	-634.	398.	517.	4.	63.	1.03	0.07	0.31	25.2	4.03	135.4	0	15.8	1.62	108
FCPADS	28212	272.	0.	0.	-272.	253.	33.	4.	4.	1.00	0.07	0.05	10.5	1.68	131.8	0	12.2	1.25	130
FCPADS	28212	1218.	0.	0.	-1218.	576.	1113.	4.	136.	14.73	0.07	0.28	79.4	12.71	222.5	0	43.0	4.41	164
FCMCDS	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.97	0.07	0.07	10.7	1.71	136.3	0	12.0	1.23	132
FCMCDS	28212	880.	0.	0.	-888.	507.	881.	4.	107.	11.05	0.07	0.36	68.2	10.91	261.8	0	31.3	3.21	145

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	28213	0.	154.	452.	0.	0.	0.	55.	0.	0.16	11.73	0.	1.2	1.00	219.6	0	17.6	1.00 80
STM141	28213	0.	154.	447.	0.	-1.	4.	55.	1.	0.23	11.73	0.01	1.9	1.53	304.1	0	17.6	1.00 77
STM141	28213	0.	134.	468.	0.	20.	-17. F	55.	1.	0.37	11.73	0.01	3.2	2.68	530.4	1	17.6	1.00 66
STM141	28213	0.	134.	468.	0.	20.	-17. A	55.	1.	0.32	11.73	0.01	3.0	2.50	495.0	4	17.6	1.00 67
STH009	28213	0.	154.	449.	0.	-0.	2.	55.	0.	0.22	11.73	0.00	1.6	1.28	266.1	0	17.6	1.00 79
STH008	28213	0.	134.	469.	0.	19.	-18. F	55.	0.	0.36	11.73	0.00	2.9	2.43	503.8	0	17.6	1.01 66
STM088	28213	0.	134.	469.	0.	19.	-18. A	55.	0.	0.32	11.73	0.00	2.8	2.34	484.6	3	17.6	1.00 67
PFBSTM	28213	0.	132.	466.	0.	21.	-15.	55.	1.	0.40	11.73	0.01	4.6	3.78	664.5	1	17.7	1.01 65
TISTMT	28213	0.	156.	439.	0.	-3.	13.	55.	2.	0.41	11.73	0.02	8.4	6.90	1130.4	0	18.3	1.04 62
TISTMT	28213	0.	131.	464.	0.	23.	-13.	55.	2.	0.57	11.73	0.02	10.7	8.82	1445.6	0	18.4	1.05 60
TIHRS0	28213	0.	158.	443.	0.	-5.	9.	55.	1.	0.33	11.73	0.01	8.2	6.75	1073.4	0	18.3	1.04 59
TIHRS0	28213	0.	132.	469.	0.	21.	-17.	55.	1.	0.49	11.73	0.01	10.6	8.72	1386.0	0	18.5	1.05 58
STIRL	28213	32.	130.	434.	-32.	24.	18.	55.	2.	0.21	11.73	0.02	2.0	1.66	213.2	0	17.6	1.00 83
STIRL	28213	0.	162.	434.	0.	-8.	18.	55.	2.	0.21	11.73	0.02	2.0	1.66	213.5	16	17.4	0.99 83
STIRL	28213	0.	130.	466.	0.	24.	-14.	55.	2.	0.36	11.73	0.02	3.9	3.21	413.3	10	17.4	0.99 71
HEGT00	28213	0.	120.	481.	0.	34.	-30. A	55.	6.	0.73	11.73	0.01	17.8	14.69	767.0	0	18.9	1.07 67
HEGT00	28213	0.	131.	471.	0.	23.	-20. A	55.	2.	0.38	11.73	0.01	7.7	6.38	775.3	0	18.0	1.02 62
FCMCCL	28213	0.	127.	461.	0.	26.	-9.	55.	3.	0.49	11.73	0.03	8.9	7.35	895.0	1	17.8	1.02 66
FCSTCL	28213	0.	125.	457.	0.	28.	-6.	55.	4.	0.60	11.73	0.04	9.9	8.19	906.2	1	17.9	1.02 68
IGOTST	28213	0.	129.	465.	0.	25.	-14.	55.	3.	0.54	11.73	0.02	8.8	7.30	868.7	0	18.1	1.03 64
GTSOAR	28213	0.	167.	423.	0.	-13.	28.	55.	3.	0.23	11.73	0.02	3.3	2.72	278.7	10	17.4	0.99 78
GTAC00	28213	0.	160.	431.	0.	-6.	20.	55.	2.	0.19	11.73	0.02	2.4	1.97	262.1	18	17.3	0.99 81
GTAC12	28213	0.	162.	426.	0.	-8.	25.	55.	3.	0.21	11.73	0.03	2.6	2.18	260.4	17	17.3	0.98 81
GTAC16	28213	0.	164.	422.	0.	-10.	29.	55.	4.	0.22	11.73	0.03	3.0	2.45	268.8	16	17.3	0.98 80
GTVC16	28213	0.	165.	422.	0.	-12.	30.	55.	4.	0.23	11.73	0.03	3.3	2.71	283.9	12	17.3	0.99 79
CC1626	28213	0.	170.	411.	0.	-17.	40.	55.	5.	0.34	11.73	0.04	4.0	3.26	283.2	10	17.4	0.99 79
CC1622	28213	0.	168.	415.	0.	-14.	36.	55.	4.	0.32	11.73	0.04	3.5	2.88	273.3	11	17.3	0.99 80
CC1222	28213	0.	167.	416.	0.	-14.	36.	55.	4.	0.31	11.73	0.04	3.3	2.71	260.5	12	17.3	0.99 81
CC0822	28213	0.	163.	424.	0.	-9.	28.	55.	3.	0.29	11.73	0.03	3.0	2.49	283.2	12	17.4	0.99 80
DEADV3	28213	0.	204.	368.	0.	-50.	84.	55.	10.	0.45	11.73	0.06	8.4	6.91	304.0	4	17.7	1.01 81
DEHTPM	28213	0.	164.	425.	0.	-11.	26.	55.	3.	0.32	11.73	0.03	4.8	4.00	443.2	2	17.7	1.01 72
DESQA3	28213	117.	104.	350.	-117.	49.	102.	55.	12.	0.53	11.73	0.06	10.9	8.98	316.3	0	18.8	1.07 82
DESQA3	28213	0.	222.	350.	0.	-60.	102.	55.	12.	0.53	11.73	0.06	10.9	8.98	316.3	0	18.0	1.03 81
GTSOAR	28213	35.	127.	427.	-35.	26.	25.	55.	3.	0.20	11.73	0.03	2.5	2.04	240.0	7	17.5	1.00 82
GTRA08	28213	54.	121.	405.	-54.	33.	46.	55.	6.	0.28	11.73	0.04	4.6	3.78	289.8	2	17.7	1.01 79
GTRA12	28213	51.	122.	408.	-51.	32.	44.	55.	5.	0.27	11.73	0.04	4.3	3.59	290.5	3	17.6	1.00 79
GTRA16	28213	48.	123.	411.	-48.	31.	40.	55.	5.	0.27	11.73	0.04	4.3	3.59	309.6	2	17.6	1.01 78
GTR208	28213	42.	125.	419.	-42.	28.	32.	55.	4.	0.24	11.73	0.03	3.4	2.81	277.0	3	17.6	1.00 79
GTR212	28213	44.	125.	417.	-44.	29.	35.	55.	4.	0.24	11.73	0.03	3.7	3.03	286.7	3	17.6	1.00 79
GTR216	28213	44.	124.	416.	-44.	29.	36.	55.	4.	0.25	11.73	0.03	3.8	3.15	296.0	3	17.6	1.00 79
GTRW08	28213	64.	119.	397.	-64.	35.	54.	55.	7.	0.30	11.73	0.04	5.1	4.21	270.6	0	17.8	1.02 80
GTRW12	28213	62.	119.	398.	-62.	35.	54.	55.	7.	0.30	11.73	0.05	5.1	4.19	281.1	0	17.7	1.01 80
GTRW16	28213	57.	120.	403.	-57.	33.	49.	55.	6.	0.29	11.73	0.04	5.0	4.12	299.5	0	17.7	1.01 79

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR308	28213	55.	123.	411.	-55.	31.	41.	55.	5.	0.26	11.73	0.03	4.0	3.28	247.7	0	17.8	1.02	79
GTR312	28213	50.	123.	410.	-50.	31.	41.	55.	5.	0.26	11.73	0.04	4.1	3.36	278.7	2	17.7	1.01	79
GTR316	28213	49.	123.	411.	-49.	31.	40.	55.	5.	0.26	11.73	0.04	4.2	3.50	292.3	0	17.7	1.01	79
FCPADS	28213	94.	109.	365.	-94.	45.	86.	55.	10.	1.20	11.73	0.06	7.0	5.80	254.7	0	18.8	1.07	85
FCMCDS	28213	69.	115.	383.	-69.	39.	68.	55.	8.	0.91	11.73	0.06	5.9	4.90	295.1	0	18.2	1.03	83

GENERAL ELECTRIC COMPANY
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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

*****FUEL USE IN STU*10**6*****																					
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	MW	MW	/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG	ENRG		
ONOCGN	28221	0.	60.	62.	0.	0.	0.	8.	0.	0.22	0.73	0.	2.0	1.00	164.9	0	3.9	1.00	80		
STM141	28221	0.	63.	44.	0.	-3.	18.	8.	2.	0.32	0.73	0.12	3.4	1.73	235.5	11	3.8	0.96	111		
STM141	28221	0.	13.	94.	0.	46.	-32. F	8.	2.	0.54	0.73	0.12	6.1	3.09	421.6	9	3.7	0.94	100		
STM141	28221	0.	13.	94.	0.	46.	-32. A	8.	2.	0.48	0.73	0.12	5.3	2.67	363.8	12	3.5	0.90	102		
STM088	28221	0.	62.	49.	0.	-2.	13.	8.	2.	0.31	0.73	0.09	2.9	1.48	212.0	11	3.8	0.98	107		
STM088	28221	0.	15.	96.	0.	45.	-35. F	8.	2.	0.52	0.73	0.09	5.6	2.82	403.5	8	3.7	0.96	95		
STM088	28221	0.	15.	96.	0.	45.	-35. A	8.	2.	0.46	0.73	0.09	5.0	2.50	357.3	11	3.6	0.92	96		
PFDSTM	28221	0.	10.	89.	0.	50.	-27.	8.	3.	0.63	0.73	0.19	8.1	4.06	496.8	8	3.7	0.94	110		
TISTMT	28221	0.	67.	24.	0.	-8.	38.	8.	5.	0.66	0.73	0.25	16.0	8.06	909.0	0	5.0	1.20	123		
TISTMT	28221	0.	7.	84.	0.	52.	-22.	8.	5.	0.92	0.73	0.25	20.4	10.27	1159.0	0	5.0	1.29	121		
TIHRSG	28221	0.	60.	43.	0.	-7.	10.	8.	2.	0.51	0.73	0.09	13.8	6.96	883.7	0	5.1	1.31	98		
TIHRSG	28221	0.	13.	97.	0.	47.	-35.	8.	2.	0.75	0.73	0.09	17.3	8.98	1140.8	0	5.2	1.33	96		
STIRL	28221	74.	5.	15.	-74.	55.	46.	8.	6.	0.33	0.73	0.22	4.4	2.23	203.2	1	4.0	1.02	129		
STIRL	28221	0.	79.	15.	0.	-19.	46.	8.	6.	0.33	0.73	0.22	4.4	2.23	203.4	15	3.5	0.90	126		
STIRL	28221	0.	5.	90.	0.	55.	-28.	8.	6.	0.57	0.73	0.22	7.6	3.83	349.9	13	3.2	0.82	116		
HEGT85	28221	0.	0.	106.	0.	60.	-44. A	8.	8.	1.14	0.73	0.13	24.2	12.18	780.8	0	5.5	1.42	121		
HEGT85	28221	0.	0.	219.	0.	92.	-50. A	8.	21.	1.57	0.73	0.16	42.6	21.39	662.0	0	7.4	1.91	112		
HEGT60	28221	0.	0.	103.	0.	60.	-42. A	8.	8.	1.00	0.73	0.15	21.9	11.00	723.3	0	5.1	1.31	121		
HEGT60	28221	0.	0.	111.	0.	62.	-42. A	8.	8.	0.90	0.73	0.15	22.5	11.32	694.0	0	5.0	1.29	110		
HEGT00	28221	0.	9.	102.	0.	50.	-41. A	8.	4.	0.59	0.73	0.08	12.9	6.50	624.1	1	4.3	1.11	97		
FCMCCL	28221	0.	2.	81.	0.	57.	-20.	8.	7.	0.80	0.73	0.31	15.3	7.70	708.3	4	4.0	1.03	126		
FCSTCL	28221	0.	0.	77.	0.	60.	-15.	8.	8.	1.08	0.73	0.37	17.2	8.62	761.9	3	4.3	1.10	145		
FCSTCL	28221	0.	0.	89.	0.	66.	-6.	8.	10.	1.02	0.73	0.40	18.5	9.32	712.1	4	4.1	1.05	136		
IGGTST	28221	0.	1.	87.	0.	58.	-26.	8.	7.	0.81	0.73	0.27	15.9	7.99	655.0	4	4.1	1.06	121		
GTSOAR	28221	0.	82.	5.	0.	-23.	57.	8.	7.	0.32	0.73	0.28	5.4	2.70	226.1	14	3.4	0.87	130		
GTAC08	28221	0.	73.	17.	0.	-14.	44.	8.	5.	0.28	0.73	0.25	4.1	2.06	204.9	21	3.3	0.85	130		
GTAC12	28221	0.	77.	6.	0.	-18.	55.	8.	7.	0.30	0.73	0.31	4.6	2.31	208.8	21	3.2	0.82	135		
GTAC16	28221	0.	80.	0.	0.	-20.	62.	8.	8.	0.36	0.73	0.34	5.2	2.63	223.9	18	3.2	0.82	148		
GTAC16	28221	0.	80.	0.	0.	-20.	62.	8.	8.	0.32	0.73	0.34	5.2	2.60	219.5	19	3.2	0.81	137		
GTWC16	28221	0.	84.	0.	0.	-24.	62.	8.	8.	0.40	0.73	0.31	5.7	2.86	231.7	14	3.4	0.88	144		
GTWC16	28221	0.	87.	0.	0.	-26.	66.	8.	8.	0.33	0.73	0.32	5.6	2.82	221.4	15	3.3	0.85	133		
CC1626	28221	0.	84.	0.	0.	-25.	62.	8.	8.	0.55	0.73	0.31	6.3	3.19	257.3	9	3.7	0.94	143		
CC1626	28221	0.	114.	0.	0.	-41.	104.	8.	13.	0.50	0.73	0.35	7.6	3.82	228.2	8	3.6	0.94	133		
CC1622	28221	0.	82.	0.	0.	-23.	62.	8.	8.	0.53	0.73	0.32	6.0	3.02	249.2	10	3.6	0.91	145		
CC1622	28221	0.	104.	0.	0.	-35.	93.	8.	11.	0.47	0.73	0.36	6.9	3.45	226.2	10	3.5	0.89	135		
CC1222	28221	0.	82.	0.	0.	-22.	62.	8.	8.	0.53	0.73	0.32	5.8	2.91	240.8	11	3.5	0.90	146		
CC1222	28221	0.	103.	0.	0.	-34.	93.	8.	11.	0.46	0.73	0.37	6.5	3.29	217.3	12	3.4	0.88	136		
CC0822	28221	0.	79.	0.	0.	-20.	62.	8.	8.	0.51	0.73	0.35	5.8	2.89	247.8	13	3.4	0.87	148		
CC0822	28221	0.	87.	0.	0.	-24.	74.	8.	9.	0.43	0.73	0.37	5.9	2.94	230.2	15	3.3	0.84	139		
STIG15	28221	0.	107.	0.	0.	-48.	62.	8.	8.	0.57	0.73	0.11	6.7	3.36	212.5	0	4.4	1.12	123		
STIG15	28221	0.	2692.	0.	0.	-1914.	2468.	8.	301.	5.31	0.73	0.17	90.2	45.32	114.3	0	38.7	9.94	286		
STIG10	28221	0.	101.	0.	0.	-42.	62.	8.	8.	0.53	0.73	0.16	6.2	3.12	208.8	0	4.1	1.05	129		
STIG10	28221	0.	264.	0.	0.	-155.	228.	8.	28.	0.73	0.73	0.22	11.7	5.88	151.3	0	5.9	1.50	109		

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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
STIG1S	20221	0.	99.	0.	0.	-39.	62.	8.	8.	0.52	0.73	0.19	5.9	2.99	205.8	3	4.0	1.02 131
STIG1S	20221	0.	166.	0.	0.	-85.	134.	8.	16.	0.54	0.73	0.23	8.0	4.04	165.2	0	4.6	1.17 118
DEADV3	20221	0.	93.	0.	0.	-33.	62.	8.	8.	0.57	0.73	0.24	8.4	4.20	308.3	2	4.1	1.06 134
DEADV3	20221	0.	161.	0.	0.	-77.	144.	8.	18.	0.60	0.73	0.29	12.4	6.24	262.5	0	4.7	1.21 122
DEHJPM	20221	0.	79.	0.	0.	-19.	62.	8.	8.	0.53	0.73	0.35	7.8	3.93	339.1	8	3.6	0.93 146
DEHTPM	20221	0.	81.	0.	0.	-20.	66.	8.	8.	0.46	0.73	0.36	7.8	3.92	327.1	9	3.5	0.91 136
DESOA3	20221	97.	0.	0.	-97.	60.	62.	8.	8.	0.57	0.73	0.20	8.3	4.16	292.0	0	4.9	1.25 134
DESOA3	20221	191.	0.	0.	-191.	91.	166.	8.	20.	0.75	0.73	0.26	17.4	8.76	310.8	0	7.0	1.80 126
DESOA3	20221	0.	97.	0.	0.	-37.	62.	8.	8.	0.57	0.73	0.20	8.3	4.16	292.0	0	4.2	1.09 130
DESOA3	20221	0.	191.	0.	0.	-101.	166.	8.	20.	0.75	0.73	0.26	17.4	8.76	310.8	0	5.8	1.48 118
GTSOAB	20221	75.	3.	9.	-75.	57.	53.	8.	6.	0.29	0.73	0.29	4.2	2.12	190.9	11	3.7	0.95 137
GTRA08	20221	84.	0.	0.	-84.	60.	62.	8.	8.	0.46	0.73	0.31	6.5	3.26	264.7	1	4.1	1.05 146
GTRA08	20221	101.	0.	0.	-101.	67.	86.	8.	11.	0.38	0.73	0.34	7.1	3.59	241.9	0	4.1	1.06 138
GTRA12	20221	83.	0.	0.	-83.	60.	62.	8.	8.	0.45	0.73	0.32	6.4	3.23	264.7	2	4.0	1.04 147
GTRA12	20221	98.	0.	0.	-98.	66.	85.	8.	10.	0.38	0.73	0.35	7.0	3.53	244.0	1	4.1	1.05 138
GTRA16	20221	83.	0.	0.	-83.	60.	62.	8.	8.	0.45	0.73	0.32	6.7	3.35	275.5	1	4.1	1.04 147
GTRA16	20221	94.	0.	0.	-94.	65.	79.	8.	10.	0.38	0.73	0.35	7.1	3.58	257.3	2	4.1	1.04 138
GTR200	20221	83.	0.	0.	-83.	60.	62.	8.	8.	0.40	0.73	0.32	5.7	2.87	235.8	4	3.9	1.01 148
GTR200	20221	86.	0.	0.	-86.	61.	66.	8.	8.	0.33	0.73	0.32	5.7	2.84	225.2	6	3.9	0.99 138
GTR212	20221	83.	0.	0.	-83.	60.	62.	8.	8.	0.43	0.73	0.32	6.0	3.03	248.4	3	4.0	1.02 147
GTR212	20221	89.	0.	0.	-89.	62.	71.	8.	9.	0.35	0.73	0.33	6.1	3.06	233.5	4	3.9	1.01 138
GTR216	20221	82.	0.	0.	-82.	60.	62.	8.	8.	0.43	0.73	0.32	6.2	3.13	258.8	3	4.0	1.02 148
GTR216	20221	89.	0.	0.	-89.	63.	72.	8.	9.	0.36	0.73	0.34	6.4	3.20	243.4	4	3.9	1.01 138
GTRV00	20221	90.	0.	0.	-90.	60.	62.	8.	8.	0.48	0.73	0.26	6.7	3.36	254.9	0	4.3	1.11 141
GTRV00	20221	122.	0.	0.	-122.	72.	103.	8.	13.	0.42	0.73	0.30	8.0	4.03	223.2	0	4.7	1.19 132
GTRV12	20221	87.	0.	0.	-87.	60.	62.	8.	8.	0.48	0.73	0.28	6.7	3.36	261.0	0	4.3	1.09 143
GTRV12	20221	120.	0.	0.	-120.	73.	106.	8.	13.	0.42	0.73	0.32	8.1	4.07	229.2	0	4.5	1.17 134
GTRV16	20221	87.	0.	0.	-87.	60.	62.	8.	8.	0.48	0.73	0.28	6.9	3.46	270.0	0	4.3	1.10 143
GTRV16	20221	114.	0.	0.	-114.	70.	98.	8.	12.	0.42	0.73	0.32	8.1	4.05	241.0	0	4.5	1.15 134
GTR300	20221	92.	0.	0.	-92.	60.	62.	8.	8.	0.45	0.73	0.24	6.1	3.05	225.9	0	4.3	1.11 140
GTR300	20221	106.	0.	0.	-106.	65.	79.	8.	10.	0.37	0.73	0.26	6.4	3.20	205.3	0	4.4	1.13 131
GTR312	20221	86.	0.	0.	-86.	60.	62.	8.	8.	0.45	0.73	0.29	6.2	3.13	245.6	0	4.2	1.07 144
GTR312	20221	104.	0.	0.	-104.	67.	86.	8.	10.	0.38	0.73	0.32	6.8	3.40	221.0	0	4.2	1.09 136
GTR316	20221	87.	0.	0.	-87.	60.	62.	8.	8.	0.46	0.73	0.28	6.5	3.26	255.0	0	4.2	1.08 144
GTR316	20221	104.	0.	0.	-104.	66.	85.	8.	10.	0.38	0.73	0.31	7.0	3.53	231.2	0	4.3	1.10 135
FCPADS	20221	95.	0.	0.	-95.	60.	62.	8.	8.	1.06	0.73	0.22	6.7	3.36	239.7	0	5.1	1.31 141
FCPADS	20221	206.	0.	0.	-206.	97.	188.	8.	23.	2.51	0.73	0.28	14.5	7.30	240.6	0	8.5	2.18 137
FCMCDS	20221	86.	0.	0.	-86.	60.	62.	8.	8.	1.01	0.73	0.29	6.9	3.48	274.1	0	4.8	1.23 147
FCMCDS	20221	150.	0.	0.	-150.	86.	149.	8.	18.	1.90	0.73	0.36	12.4	6.21	280.7	0	6.6	1.68 141

DATE 06/08/79
I&SE-PEO-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVEL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	RECD	POWER	MW	MW		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG
																			ENRG
ONOCGN	20241	0.	114.	263.	0.	0.	0.	32.	0.	0.21	3.64	0.	3.64	0.	1.8	1.00	174.4	0	11.1
STM141	20241	0.	116.	252.	0.	-2.	10.	32.	1.	0.30	3.64	0.02	3.64	0.02	2.9	1.59	242.5	7	11.1
STM141	20241	0.	75.	293.	0.	38.	-30.	F 32.	1.	0.49	3.64	0.02	3.64	0.02	5.2	2.87	437.7	6	11.1
STM141	20241	0.	75.	293.	0.	38.	-30.	A 32.	1.	0.43	3.64	0.02	3.64	0.02	4.5	2.52	383.4	10	10.9
STM000	20241	0.	115.	256.	0.	-1.	7.	32.	1.	0.28	3.64	0.01	3.64	0.01	2.4	1.35	215.7	5	11.1
STM000	20241	0.	76.	295.	0.	37.	-32.	F 32.	1.	0.47	3.64	0.01	3.64	0.01	4.7	2.61	417.4	6	11.1
STM000	20241	0.	76.	295.	0.	37.	-32.	A 32.	1.	0.42	3.64	0.01	3.64	0.01	4.2	2.35	375.7	9	11.0
PFBSTM	20241	0.	73.	289.	0.	41.	-26.	32.	2.	0.56	3.64	0.04	3.64	0.04	7.0	3.86	524.4	6	11.1
TISTMT	20241	0.	119.	236.	0.	-6.	27.	32.	3.	0.58	3.64	0.06	3.64	0.06	13.6	7.55	951.2	0	12.2
TISTMT	20241	0.	70.	285.	0.	43.	-22.	32.	3.	0.82	3.64	0.06	3.64	0.06	17.4	9.64	1214.7	0	12.2
TIHRS0	20241	0.	121.	247.	0.	-7.	16.	32.	2.	0.47	3.64	0.02	3.64	0.02	12.7	7.04	912.1	0	12.3
TIHRS0	20241	0.	74.	294.	0.	40.	-31.	32.	2.	0.70	3.64	0.02	3.64	0.02	16.4	9.08	1177.6	0	12.4
STIRL	20241	62.	68.	227.	-62.	46.	36.	32.	4.	0.30	3.64	0.05	3.64	0.05	3.7	2.05	204.6	0	11.3
STIRL	20241	0.	129.	227.	0.	-16.	36.	32.	4.	0.30	3.64	0.05	3.64	0.05	3.7	2.05	204.8	14	10.9
STIRL	20241	0.	68.	288.	0.	46.	-26.	32.	4.	0.51	3.64	0.05	3.64	0.05	6.5	3.62	361.8	12	10.6
HEGT00	20241	0.	56.	308.	0.	58.	-45.	A 32.	9.	0.95	3.64	0.03	3.64	0.03	23.8	13.21	677.8	0	12.5
HEGT00	20241	0.	71.	299.	0.	43.	-36.	A 32.	3.	0.55	3.64	0.02	3.64	0.02	11.9	6.58	647.0	0	11.6
FCMCCL	20241	0.	65.	280.	0.	49.	-17.	32.	6.	0.73	3.64	0.09	3.64	0.09	13.6	7.64	740.9	4	11.3
FCSTCL	20241	0.	60.	272.	0.	54.	-9.	32.	8.	0.89	3.64	0.12	3.64	0.12	15.9	8.79	748.7	4	11.2
IGGTST	20241	0.	66.	287.	0.	48.	-25.	32.	5.	0.73	3.64	0.06	3.64	0.06	13.7	7.60	695.1	2	11.5
OTSOAR	20241	0.	136.	212.	0.	-22.	51.	32.	6.	0.31	3.64	0.08	3.64	0.08	5.0	2.79	235.4	12	10.8
OTAC08	20241	0.	125.	225.	0.	-12.	38.	32.	5.	0.26	3.64	0.07	3.64	0.07	3.8	2.08	220.1	20	10.7
OTAC12	20241	0.	129.	215.	0.	-15.	48.	32.	6.	0.28	3.64	0.09	3.64	0.09	4.2	2.33	221.8	20	10.6
OTAC16	20241	0.	132.	208.	0.	-19.	54.	32.	7.	0.30	3.64	0.10	3.64	0.10	4.7	2.63	231.1	18	10.5
OTVC16	20241	0.	136.	207.	0.	-22.	56.	32.	7.	0.31	3.64	0.09	3.64	0.09	5.1	2.84	236.3	15	10.6
CC1620	20241	0.	147.	102.	0.	-33.	80.	32.	10.	0.45	3.64	0.13	3.64	0.13	6.4	3.54	236.5	13	10.5
CC1622	20241	0.	141.	191.	0.	-27.	72.	32.	9.	0.42	3.64	0.12	3.64	0.12	5.7	3.10	232.7	15	10.5
CC1222	20241	0.	141.	191.	0.	-27.	72.	32.	9.	0.42	3.64	0.12	3.64	0.12	5.4	3.02	222.9	16	10.5
CC0822	20241	0.	132.	207.	0.	-18.	56.	32.	7.	0.39	3.64	0.10	3.64	0.10	4.9	2.71	237.0	16	10.6
STIG15	20241	0.	317.	0.	0.	-204.	263.	32.	32.	1.08	3.64	0.16	3.64	0.16	14.8	8.22	159.4	0	11.8
STIG15	20241	0.	2308.	0.	0.	-1640.	2116.	32.	258.	4.60	3.64	0.17	3.64	0.17	76.8	42.56	113.5	0	37.0
STIG10	20241	0.	246.	67.	0.	-133.	196.	32.	24.	0.66	3.64	0.17	3.64	0.17	10.5	5.80	157.8	8	10.8
STIG15	20241	0.	187.	148.	0.	-73.	115.	32.	14.	0.49	3.64	0.11	3.64	0.11	7.2	3.99	172.7	9	10.8
DEADV3	20241	0.	195.	120.	0.	-82.	142.	32.	17.	0.60	3.64	0.16	3.64	0.16	12.3	6.81	262.6	6	10.9
DEHTFM	20241	0.	133.	210.	0.	-19.	52.	32.	6.	0.43	3.64	0.09	3.64	0.09	7.2	3.97	348.6	7	11.0
DESQA3	20241	195.	28.	94.	-195.	86.	169.	32.	21.	0.76	3.64	0.16	3.64	0.16	17.7	9.82	310.6	0	13.0
DESQA3	20241	0.	223.	94.	0.	-109.	169.	32.	21.	0.76	3.64	0.16	3.64	0.16	17.7	9.82	310.6	1	11.7
OTSOAD	20241	66.	65.	217.	-66.	49.	46.	32.	6.	0.27	3.64	0.08	3.64	0.08	3.9	2.16	202.9	9	11.0
GTRA08	20241	94.	54.	182.	-94.	59.	81.	32.	10.	0.37	3.64	0.12	3.64	0.12	6.8	3.77	246.5	5	11.1
GTRA12	20241	91.	55.	185.	-91.	59.	78.	32.	10.	0.36	3.64	0.12	3.64	0.12	6.7	3.69	250.6	6	11.1
GTRA16	20241	86.	57.	191.	-86.	57.	72.	32.	9.	0.36	3.64	0.11	3.64	0.11	6.7	3.71	265.6	5	11.2
GTR200	20241	77.	61.	204.	-77.	53.	59.	32.	7.	0.32	3.64	0.09	3.64	0.09	5.3	2.92	234.9	5	11.1
GTR212	20241	80.	60.	200.	-80.	54.	63.	32.	8.	0.33	3.64	0.10	3.64	0.10	5.7	3.14	243.3	5	11.1

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GENERAL ELECTRIC COMPANY
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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

PAGE 69

-----FUEL USE IN BTU*10**6-----																						
COGENERATION CASE								**NOCOGEN - COGEN**				POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG				
								MW	MW		RATIO		*10**6									
GTR216	28241	80.	59.	198.	-80.	55.	65.	32.	8.	0.34	3.64	0.11	5.9	3.29	252.9	5	11.1	1.00	98			
GTRW08	28241	114.	50.	167.	-114.	64.	96.	32.	12.	0.41	3.64	0.12	7.6	4.23	229.2	0	11.4	1.02	101			
GTRW12	28241	110.	50.	166.	-110.	64.	96.	32.	12.	0.40	3.64	0.13	7.6	4.23	236.7	3	11.2	1.01	103			
GTRW16	28241	103.	52.	174.	-103.	62.	88.	32.	11.	0.40	3.64	0.13	7.6	4.19	250.5	3	11.3	1.01	101			
GTR308	28241	98.	57.	190.	-98.	57.	73.	32.	9.	0.35	3.64	0.09	6.1	3.36	211.5	0	11.5	1.03	97			
GTR312	28241	92.	56.	187.	-92.	58.	76.	32.	9.	0.36	3.64	0.11	6.3	3.47	232.1	4	11.2	1.00	99			
GTR316	28241	91.	56.	188.	-91.	58.	74.	32.	9.	0.36	3.64	0.11	6.5	3.60	242.9	3	11.2	1.01	99			
FCPADS	28241	176.	30.	101.	-176.	83.	161.	32.	20.	2.16	3.64	0.18	12.4	6.85	239.1	0	13.4	1.21	113			
FCMCDS	28241	129.	40.	135.	-129.	73.	128.	32.	16.	1.64	3.64	0.19	10.7	5.95	284.6	0	12.3	1.10	111			

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	28242	0.	54.	90.	0.	0.	0.	11.	0.	0.19	1.63	0.	1.5	1.00	192.2	0	4.9	1.00 80
STM141	28242	0.	57.	75.	0.	-3.	15.	11.	2.	0.29	1.63	0.09	2.9	1.88	283.3	12	4.8	0.97 100
STM141	28242	0.	22.	110.	0.	32.	-19.	F 11.	2.	0.47	1.63	0.09	4.9	3.22	485.7	9	4.7	0.96 91
STM141	28242	0.	22.	110.	0.	32.	-19.	A 11.	2.	0.41	1.63	0.09	4.4	2.88	434.8	12	4.6	0.94 92
STM088	28242	0.	56.	79.	0.	-2.	12.	11.	1.	0.27	1.63	0.07	2.4	1.61	254.6	12	4.8	0.98 99
STM088	28242	0.	23.	111.	0.	31.	-21.	F 11.	1.	0.45	1.63	0.07	4.5	2.93	464.6	8	4.8	0.97 87
STM088	28242	0.	23.	111.	0.	31.	-21.	A 11.	1.	0.40	1.63	0.07	4.1	2.70	427.1	11	4.7	0.95 88
PFBSTM	28242	0.	20.	106.	0.	34.	-16.	11.	3.	0.53	1.63	0.13	6.5	4.28	581.5	8	4.7	0.96 96
TISTMT	28242	0.	60.	61.	0.	-6.	29.	11.	4.	0.54	1.63	0.16	12.4	8.13	1013.8	0	5.7	1.16 103
TISTMT	28242	0.	18.	103.	0.	36.	-12.	11.	4.	0.76	1.63	0.16	15.8	10.34	1288.8	0	5.7	1.17 101
TIHRSQ	28242	0.	58.	79.	0.	-4.	12.	11.	1.	0.39	1.63	0.05	10.0	6.55	996.5	0	5.8	1.17 81
TIHRSQ	28242	0.	24.	113.	0.	31.	-23.	11.	1.	0.58	1.63	0.05	12.9	8.46	1286.8	0	5.8	1.19 80
STIRL	28242	50.	17.	57.	-50.	37.	33.	11.	4.	0.27	1.63	0.14	3.1	2.03	209.3	5	4.9	1.00 114
STIRL	28242	0.	67.	57.	0.	-13.	33.	11.	4.	0.27	1.63	0.14	3.1	2.03	209.5	19	4.6	0.93 112
STIRL	28242	0.	17.	108.	0.	37.	-17.	11.	4.	0.46	1.63	0.14	5.6	3.67	378.6	14	4.3	0.88 101
HEGT85	28242	0.	5.	112.	0.	49.	-21.	A 11.	9.	0.90	1.63	0.19	23.4	15.38	847.8	0	5.9	1.20 111
HEGT60	28242	0.	15.	114.	0.	39.	-24.	A 11.	5.	0.64	1.63	0.10	15.2	9.95	820.8	0	5.5	1.13 96
HEGT00	28242	0.	21.	116.	0.	33.	-26.	A 11.	2.	0.45	1.63	0.05	9.4	6.17	713.7	1	5.2	1.06 83
FCMCL	28242	0.	16.	103.	0.	38.	-13.	11.	4.	0.62	1.63	0.17	11.4	7.48	800.8	4	5.0	1.02 103
FCSTCL	28242	0.	9.	92.	0.	45.	-1.	11.	7.	0.83	1.63	0.30	14.5	9.50	802.5	5	4.8	0.98 121
IGGTST	28242	0.	14.	105.	0.	40.	-15.	11.	5.	0.69	1.63	0.17	12.6	8.30	751.5	4	5.1	1.04 105
GTSOAR	28242	0.	68.	55.	0.	-13.	36.	11.	4.	0.26	1.63	0.15	3.9	2.57	261.2	15	4.3	0.92 111
GTAC08	28242	0.	63.	61.	0.	-9.	29.	11.	4.	0.23	1.63	0.14	3.0	2.00	230.2	21	4.5	0.91 111
GTAC12	28242	0.	65.	54.	0.	-11.	36.	11.	4.	0.24	1.63	0.17	3.4	2.20	234.1	22	4.4	0.89 115
GTAC16	28242	0.	67.	50.	0.	-13.	40.	11.	5.	0.25	1.63	0.19	3.7	2.45	246.3	20	4.4	0.89 116
GTWC16	28242	0.	71.	47.	0.	-17.	43.	11.	5.	0.27	1.63	0.18	4.2	2.75	250.6	16	4.6	0.91 114
CC1626	28242	0.	83.	15.	0.	-29.	75.	11.	9.	0.43	1.63	0.32	6.0	3.94	260.1	15	4.2	0.86 129
CC1622	28242	0.	78.	23.	0.	-24.	68.	11.	8.	0.40	1.63	0.30	5.3	3.51	254.7	16	4.2	0.85 127
CC1222	28242	0.	78.	23.	0.	-24.	67.	11.	8.	0.40	1.63	0.30	5.1	3.36	245.3	17	4.2	0.85 128
CC0822	28242	0.	71.	36.	0.	-17.	54.	11.	7.	0.37	1.63	0.26	4.7	3.05	263.9	17	4.3	0.87 123
STIG15	28242	0.	124.	0.	0.	-70.	90.	11.	11.	0.64	1.63	0.14	7.6	5.00	209.5	0	5.4	1.10 121
STIG15	28242	0.	1769.	0.	0.	-1258.	1622.	11.	198.	3.79	1.63	0.17	59.2	38.84	114.2	0	28.7	5.83 183
STIG10	28242	0.	115.	0.	0.	-61.	90.	11.	11.	0.55	1.63	0.20	6.8	4.48	202.2	4	4.9	1.01 128
STIG10	28242	0.	174.	0.	0.	-102.	150.	11.	18.	0.57	1.63	0.22	8.6	5.68	170.0	0	5.5	1.13 117
STIG15	28242	0.	110.	2.	0.	-56.	88.	11.	11.	0.43	1.63	0.22	6.0	3.92	186.7	10	4.6	0.94 120
DEADV3	28242	0.	96.	6.	0.	-42.	84.	11.	10.	0.45	1.63	0.29	8.4	5.50	303.6	8	4.6	0.93 124
DEHIFM	28242	0.	66.	45.	0.	-12.	45.	11.	6.	0.37	1.63	0.23	5.9	3.86	380.7	11	4.5	0.92 117
DESOA3	28242	105.	0.	0.	-105.	54.	90.	11.	11.	0.55	1.63	0.27	9.9	6.50	320.9	0	5.7	1.16 136
DESOA3	28242	110.	0.	0.	-110.	55.	95.	11.	12.	0.51	1.63	0.27	10.2	6.68	317.2	0	5.7	1.17 126
DESOA3	28242	0.	105.	0.	0.	-51.	90.	11.	11.	0.55	1.63	0.27	9.9	6.50	320.9	4	5.0	1.01 133
DESOA3	28242	0.	110.	0.	0.	-54.	95.	11.	12.	0.51	1.63	0.27	10.2	6.68	317.2	4	5.0	1.01 122
GTSOAD	28242	49.	17.	56.	-49.	37.	34.	11.	4.	0.24	1.63	0.16	3.1	2.03	216.6	11	4.8	0.97 116
GTRA08	28242	62.	11.	37.	-62.	43.	53.	11.	7.	0.30	1.63	0.24	5.1	3.36	281.1	8	4.8	0.97 122

DATE 06/08/75
CASE-PEG-ADV-DES-ENGR

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTR12	28242	61.	11.	37.	-61.	43.	53.	11.	6.	0.30	1.63	0.24	5.0	3.30	279.8	8	4.8	0.97 122
GTR16	28242	59.	12.	41.	-59.	42.	50.	11.	6.	0.30	1.63	0.22	5.1	3.36	294.4	7	4.8	0.98 120
GTR208	28242	54.	14.	48.	-54.	40.	42.	11.	5.	0.27	1.63	0.19	4.1	2.70	258.2	8	4.8	0.98 117
GTR212	28242	57.	14.	45.	-57.	40.	45.	11.	5.	0.28	1.63	0.20	4.4	2.91	267.2	7	4.8	0.98 118
GTR216	28242	57.	13.	44.	-57.	41.	46.	11.	6.	0.28	1.63	0.21	4.6	3.02	277.2	8	4.8	0.98 119
GTRW08	28242	76.	8.	26.	-76.	46.	64.	11.	8.	0.33	1.63	0.24	5.8	3.81	260.4	4	5.0	1.01 123
GTRW12	28242	76.	7.	24.	-76.	47.	66.	11.	8.	0.33	1.63	0.26	5.9	3.87	266.3	5	4.9	1.00 125
GTRW16	28242	72.	8.	20.	-72.	46.	62.	11.	8.	0.33	1.63	0.25	5.9	3.88	279.4	5	4.9	1.00 123
GTR308	28242	65.	12.	42.	-65.	42.	49.	11.	6.	0.29	1.63	0.17	4.6	2.99	238.7	1	5.0	1.02 116
GTR312	28242	67.	11.	35.	-67.	44.	55.	11.	7.	0.30	1.63	0.22	5.0	3.27	254.2	5	4.9	0.99 121
GTR316	28242	67.	11.	36.	-67.	43.	54.	11.	7.	0.31	1.63	0.21	5.2	3.40	266.2	4	4.9	1.00 120
FCFADS	28242	106.	0.	0.	-106.	54.	90.	11.	11.	1.47	1.63	0.27	8.0	5.25	257.2	0	6.5	1.31 142
FCPADS	28242	135.	0.	0.	-135.	64.	124.	11.	15.	1.82	1.63	0.28	9.7	6.39	245.5	0	7.3	1.49 134
FCMCDS	28242	93.	0.	0.	-93.	54.	90.	11.	11.	1.36	1.63	0.35	8.1	5.34	297.8	0	5.9	1.19 150
FCMCDS	28242	99.	0.	0.	-99.	56.	98.	11.	12.	1.38	1.63	0.36	8.4	5.53	291.6	0	5.9	1.21 139

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-----FUEL USE IN BTU*10**6-----																				
COGENERATION CASE **NOCOGEN - COGEN**																				
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH	
ONOCOEN	28651	0.	375.	36.	0.	0.	0.	4.	0.	0.81	0.03	0.	16.5	1.00	93.7	0	14.4	1.00	80	
STM141	28651	0.	382.	0.	0.	-7.	36.	4.	4.	1.17	0.03	0.07	20.1	1.22	111.0	5	14.3	1.00	134	
STM141	28651	0.	511.	0.	0.	-57.	299.	4.	36.	1.09	0.03	0.32	22.0	1.34	100.7	24	12.3	0.86	113	
STM141	28651	0.	0.	382.	0.	375.	-346.	F	4.	2.31	0.03	0.07	35.6	2.16	196.7	11	12.5	0.87	119	
STM111	28651	0.	0.	511.	0.	454.	-212.	F	4.	2.29	0.03	0.32	40.1	2.43	183.2	17	9.3	0.65	95	
STM141	28651	0.	0.	382.	0.	375.	-346.	A	4.	2.22	0.03	0.07	33.9	2.06	187.5	12	12.3	0.85	119	
STM141	28651	0.	0.	511.	0.	454.	-212.	A	4.	2.22	0.03	0.32	34.0	2.06	155.3	23	8.6	0.60	97	
STM088	28651	0.	382.	0.	0.	-7.	36.	4.	4.	1.18	0.03	0.07	19.9	1.21	109.9	6	14.3	1.00	134	
STM088	28651	0.	475.	0.	0.	-43.	226.	4.	28.	1.03	0.03	0.28	20.0	1.21	95.9	29	12.6	0.80	114	
STM088	28651	0.	0.	382.	0.	375.	-346.	F	4.	2.33	0.03	0.07	35.8	2.17	197.8	11	12.6	0.88	119	
STM088	28651	0.	0.	475.	0.	432.	-249.	F	4.	2.15	0.03	0.28	37.3	2.27	179.3	17	9.9	0.69	96	
STM088	28651	0.	0.	382.	0.	375.	-346.	A	4.	2.25	0.03	0.07	34.0	2.06	187.6	12	12.3	0.86	119	
STM088	28651	0.	0.	475.	0.	432.	-249.	A	4.	2.15	0.03	0.28	32.7	1.98	157.0	22	9.4	0.65	98	
PFBSTM	28651	0.	0.	383.	0.	375.	-347.	4.	4.	2.28	0.03	0.07	34.4	2.09	189.8	12	12.4	0.86	119	
PFBSTM	28651	0.	0.	595.	0.	502.	-135.	4.	56.	3.66	0.03	0.38	47.3	2.87	194.2	15	9.3	0.65	97	
TISTMT	28651	0.	383.	0.	0.	-7.	36.	4.	4.	1.36	0.03	0.07	28.7	1.74	158.5	0	15.5	1.08	128	
TISTMT	28651	0.	549.	0.	0.	-74.	367.	4.	45.	3.00	0.03	0.35	87.3	5.29	379.8	0	20.8	1.45	107	
TISTMT	28651	0.	0.	383.	0.	375.	-347.	4.	4.	2.46	0.03	0.07	43.9	2.66	242.5	7	13.6	0.95	117	
TISTMT	28651	0.	0.	668.	0.	545.	-63.	4.	74.	5.16	0.03	0.42	150.8	9.15	569.9	1	20.0	1.39	108	
TIHRSG	28651	0.	389.	0.	0.	-13.	36.	4.	4.	1.50	0.03	0.06	36.2	2.19	197.8	0	16.5	1.15	123	
TIHRSG	28651	0.	470.	0.	0.	-57.	159.	4.	19.	2.51	0.03	0.18	74.2	4.50	359.2	0	21.1	1.47	101	
TIHRSG	28651	0.	0.	389.	0.	375.	-352.	4.	4.	2.66	0.03	0.06	53.2	3.23	291.2	4	14.9	1.04	114	
TIHRSG	28651	0.	0.	537.	0.	443.	-276.	4.	32.	4.36	0.03	0.24	128.6	7.80	568.2	0	22.2	1.55	95	
STIRL	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.16	0.03	0.05	22.8	1.38	124.2	0	17.3	1.21	134	
STIRL	28651	664.	0.	0.	-664.	490.	420.	4.	51.	1.84	0.03	0.27	42.4	2.57	160.8	0	21.2	1.48	106	
STIRL	28651	0.	391.	0.	0.	-15.	36.	4.	4.	1.16	0.03	0.05	22.8	1.38	124.2	0	14.8	1.03	129	
STIRL	28651	0.	664.	0.	0.	-174.	420.	4.	51.	1.84	0.03	0.27	42.4	2.57	160.9	0	16.9	1.18	99	
STIRL	28651	0.	0.	391.	0.	375.	-354.	4.	4.	2.23	0.03	0.05	36.7	2.23	200.3	11	12.6	0.88	116	
STIRL	28651	0.	0.	858.	0.	571.	-168.	4.	84.	4.04	0.03	0.32	100.6	6.10	314.1	5	14.4	1.00	89	
HEGT85	28651	0.	0.	401.	0.	375.	-365.	A	4.	2.21	0.03	0.03	40.0	2.43	214.4	8	13.2	0.92	112	
HEGT85	28651	0.	0.	2527.	0.	1002.	-393.	A	4.	9.72	0.03	0.19	256.2	15.55	316.5	0	33.0	2.30	100	
HEGT60	28651	0.	0.	400.	0.	375.	-364.	A	4.	2.21	0.03	0.03	39.7	2.41	213.0	9	13.2	0.92	113	
HEGT60	28651	0.	0.	1305.	0.	651.	-345.	A	4.	5.63	0.03	0.19	144.0	8.74	319.1	0	22.5	1.56	84	
HEGT00	28651	0.	0.	400.	0.	375.	-364.	A	4.	2.23	0.03	0.03	39.3	2.38	211.2	9	13.2	0.92	113	
HEGT00	28651	0.	0.	785.	0.	494.	-353.	A	4.	3.60	0.03	0.15	85.2	5.17	284.9	1	17.1	1.19	75	
FCMCCL	28651	0.	0.	622.	0.	375.	-586.	4.	4.	2.30	0.03	-0.51	43.2	2.62	237.1	0	17.5	1.22	51	
FCMCCL	28651	0.	0.	1075.	0.	600.	-289.	4.	96.	5.78	0.03	0.22	104.2	6.32	330.8	0	18.6	1.29	84	
FCSTCL	28651	0.	0.	621.	0.	375.	-585.	4.	4.	2.40	0.03	-0.51	42.4	2.57	232.9	0	17.5	1.21	52	
FCSTCL	28651	0.	0.	1332.	0.	744.	-62.	4.	155.	7.23	0.03	0.34	129.9	7.88	332.7	3	16.4	1.14	93	
IGGTST	28651	0.	0.	626.	0.	375.	-590.	4.	4.	2.35	0.03	-0.52	40.6	2.46	221.2	0	17.3	1.20	51	
IGGTST	28651	0.	0.	1242.	0.	632.	-347.	4.	109.	3.46	0.03	0.19	101.1	6.14	277.7	3	16.3	1.13	76	
GTSOAR	28651	0.	390.	0.	0.	-14.	36.	4.	4.	1.09	0.03	0.05	21.3	1.29	116.1	2	14.5	1.01	131	
GTSOAR	28651	0.	709.	0.	0.	-196.	495.	4.	60.	1.51	0.03	0.30	32.0	1.94	115.6	0	15.1	1.05	104	

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																					
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG			
GTAC08	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.08	0.03	0.06	20.7	1.26	113.8	5	14.4	1.00	132		
GTAC08	28651	0.	605.	0.	0.	-123.	393.	4.	48.	1.35	0.03	0.31	26.6	1.62	108.2	10	13.6	0.95	107		
GTAC12	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.07	0.03	0.06	20.7	1.26	113.5	5	14.4	1.00	132		
GTAC12	28651	0.	664.	0.	0.	-154.	488.	4.	59.	1.46	0.03	0.33	30.4	1.84	115.3	8	13.7	0.96	107		
GTAC16	28651	0.	387.	0.	0.	-12.	36.	4.	4.	1.07	0.03	0.06	20.8	1.26	114.2	4	14.4	1.00	132		
GTAC16	28651	0.	707.	0.	0.	-178.	550.	4.	67.	1.55	0.03	0.34	33.7	2.05	122.1	6	14.0	0.98	107		
GTWC16	28651	0.	390.	0.	0.	-14.	36.	4.	4.	1.08	0.03	0.05	21.1	1.28	115.3	2	14.5	1.01	131		
GTWC16	28651	0.	767.	0.	0.	-229.	581.	4.	71.	1.55	0.03	0.32	33.0	2.00	112.5	1	15.0	1.04	105		
CC1626	28651	0.	390.	0.	0.	-14.	36.	4.	4.	1.14	0.03	0.05	20.9	1.27	113.9	0	14.6	1.02	131		
CC1626	28651	0.	1035.	0.	0.	-382.	967.	4.	118.	2.00	0.03	0.36	43.3	2.63	116.3	0	15.7	1.10	107		
CC1622	28651	0.	389.	0.	0.	-13.	36.	4.	4.	1.14	0.03	0.06	20.6	1.25	112.8	1	14.5	1.01	132		
CC1622	28651	0.	944.	0.	0.	-319.	871.	4.	106.	1.96	0.03	0.37	43.3	2.63	125.3	2	15.2	1.06	107		
CC1222	28651	0.	388.	0.	0.	-13.	36.	4.	4.	1.13	0.03	0.06	20.5	1.24	112.0	2	14.5	1.01	132		
CC1222	28651	0.	936.	0.	0.	-312.	868.	4.	106.	1.93	0.03	0.37	41.3	2.51	120.3	3	14.8	1.03	108		
CC0822	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.14	0.03	0.06	20.7	1.25	113.3	2	14.5	1.01	132		
CC0822	28651	0.	791.	0.	0.	-219.	696.	4.	85.	1.75	0.03	0.38	35.3	2.14	117.5	8	13.7	0.95	109		
STI015	28651	0.	404.	0.	0.	-28.	36.	4.	4.	1.10	0.03	0.02	20.8	1.26	110.9	0	14.9	1.04	128		
STI015	28651	0.	23846.	0.	0.	-16951.	21862.	4.	2663.	39.42	0.03	0.17	662.2	40.18	93.8	0	309.6	21.54	576		
STI010	28651	0.	400.	0.	0.	-24.	36.	4.	4.	1.09	0.03	0.03	20.6	1.25	110.4	0	14.8	1.03	129		
STI010	28651	0.	2340.	0.	0.	-1371.	2022.	4.	246.	4.22	0.03	0.22	79.0	4.79	104.6	0	35.7	2.48	116		
STI01S	28651	0.	390.	0.	0.	-23.	36.	4.	4.	1.09	0.03	0.03	20.5	1.24	110.3	0	14.7	1.02	129		
STI01S	28651	0.	1471.	0.	0.	-752.	1186.	4.	144.	2.92	0.03	0.23	50.6	3.07	101.1	0	25.0	1.74	104		
DEADV3	28651	0.	394.	0.	0.	-19.	36.	4.	4.	1.19	0.03	0.04	24.7	1.50	134.1	0	15.1	1.05	127		
DEADV3	28651	0.	1381.	0.	0.	-648.	1233.	4.	150.	3.56	0.03	0.30	105.4	6.39	222.5	0	27.8	1.93	109		
DEH1PM	28651	0.	386.	0.	0.	-11.	36.	4.	4.	1.23	0.03	0.06	24.8	1.51	136.3	0	14.9	1.04	129		
DEH1PM	28651	0.	719.	0.	0.	-177.	594.	4.	72.	2.38	0.03	0.37	60.1	3.65	215.0	0	17.0	1.18	105		
DESOA3	28651	397.	0.	0.	-397.	375.	36.	4.	4.	1.17	0.03	0.04	23.9	1.45	128.8	0	17.7	1.23	131		
DESOA3	28651	1628.	0.	0.	-1628.	787.	1414.	4.	172.	4.63	0.03	0.26	146.5	8.89	268.2	0	46.8	3.26	135		
DESOA3	28651	0.	397.	0.	0.	-21.	36.	4.	4.	1.17	0.03	0.04	23.9	1.45	128.8	0	15.1	1.05	127		
DESOA3	28651	0.	1628.	0.	0.	-841.	1414.	4.	172.	4.63	0.03	0.26	146.5	8.89	268.2	0	36.3	2.52	117		
GTSOAD	28651	380.	0.	0.	-388.	375.	36.	4.	4.	1.07	0.03	0.06	20.5	1.24	112.3	0	16.9	1.18	136		
GTSOAD	28651	666.	0.	0.	-666.	504.	468.	4.	57.	1.39	0.03	0.32	27.5	1.67	104.0	0	18.1	1.26	115		
GTRA08	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.05	21.4	1.30	117.0	0	17.1	1.19	135		
GTRA08	28651	875.	0.	0.	-875.	509.	751.	4.	92.	1.82	0.03	0.35	43.1	2.62	132.6	0	21.3	1.48	115		
GTRA12	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.3	1.29	116.7	0	17.0	1.18	135		
GTRA12	28651	857.	0.	0.	-857.	585.	739.	4.	90.	1.78	0.03	0.35	41.6	2.52	129.9	0	20.8	1.44	115		
GTRA16	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.09	0.03	0.06	21.5	1.31	117.8	0	17.1	1.19	135		
GTRA16	28651	825.	0.	0.	-825.	572.	693.	4.	84.	1.78	0.03	0.35	41.9	2.54	134.9	0	20.7	1.44	115		
GTR208	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.1	1.28	115.4	0	17.0	1.18	136		
GTR208	28651	751.	0.	0.	-751.	537.	578.	4.	70.	1.58	0.03	0.33	34.2	2.08	118.4	0	19.6	1.36	114		
GIR212	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.2	1.29	116.1	0	17.0	1.18	135		
GTR212	28651	781.	0.	0.	-781.	550.	620.	4.	76.	1.64	0.03	0.33	36.5	2.21	122.4	0	20.0	1.39	114		
GTR216	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.3	1.29	116.6	0	17.0	1.18	135		
GTR216	28651	783.	0.	0.	-783.	554.	635.	4.	77.	1.69	0.03	0.34	38.6	2.34	129.3	0	20.0	1.39	114		

DATE 06/03/77.
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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTRW08	28651	393.	0.	0.	-393.	375.	36.	4.	4.	1.09	0.03	0.05	21.5	1.30	116.7	0	17.2	1.20 134
GTRW08	28651	1066.	0.	0.	-1066.	634.	900.	4.	110.	1.86	0.03	0.31	43.1	2.62	113.1	0	24.8	1.72 116
GTRW12	28651	392.	0.	0.	-392.	375.	36.	4.	4.	1.08	0.03	0.05	21.5	1.30	116.9	0	17.1	1.19 135
GTRW12	28651	1052.	0.	0.	-1052.	640.	921.	4.	112.	1.86	0.03	0.33	43.6	2.64	115.5	0	23.8	1.66 117
GTRW16	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.09	0.03	0.05	21.6	1.31	117.9	0	17.2	1.19 134
GTRW16	28651	1000.	0.	0.	-1000.	621.	859.	4.	105.	1.85	0.03	0.32	43.3	2.63	119.7	0	23.4	1.63 116
GTR308	28651	394.	0.	0.	-394.	375.	36.	4.	4.	1.08	0.03	0.04	21.2	1.28	114.7	0	17.2	1.20 134
GTR308	28651	921.	0.	0.	-921.	570.	687.	4.	84.	1.67	0.03	0.27	36.5	2.22	107.9	0	23.5	1.64 112
GTR312	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.08	0.03	0.05	21.2	1.29	115.7	0	17.1	1.19 135
GTR312	28651	918.	0.	0.	-918.	590.	756.	4.	92.	1.70	0.03	0.32	37.9	2.30	112.2	0	22.1	1.54 115
GTR316	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.09	0.03	0.05	21.4	1.30	116.8	0	17.1	1.19 135
GTR316	28651	913.	0.	0.	-913.	587.	744.	4.	91.	1.72	0.03	0.31	38.9	2.36	115.7	0	22.2	1.55 114
FCPADS	28651	396.	0.	0.	-396.	375.	36.	4.	4.	1.43	0.03	0.04	23.0	1.40	124.3	0	17.8	1.24 133
FCPADS	28651	1824.	0.	0.	-1824.	863.	1667.	4.	203.	21.50	0.03	0.28	124.1	7.53	205.6	0	62.6	4.35 166
FCMCDS	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.41	0.03	0.05	23.2	1.41	126.4	0	17.6	1.23 134
FCMCDS	28651	1330.	0.	0.	-1330.	759.	1319.	4.	161.	16.24	0.03	0.36	107.5	6.52	234.2	0	45.9	3.20 149

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*****FUEL USE IN BTU*10**6*****																				
COGENERATION CASE **NO COGEN - COGEN**																				
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH	
ONOCGN	28653	0.	368.	49.	0.	0.	0.	6.	0.	0.57	0.07	0.	9.3	1.00	89.7	0	14.0	1.00	80	
STM141	20653	0.	377.	0.	0.	-9.	49.	6.	6.	0.94	0.07	0.10	12.4	1.33	112.0	13	13.5	0.97	134	
STM141	28653	0.	407.	0.	0.	-21.	110.	6.	13.	0.75	0.07	0.18	12.0	1.29	100.7	27	12.8	0.91	126	
STM141	28653	0.	0.	377.	0.	368.	-328.	F	6.	6.	1.92	0.07	0.10	28.0	3.01	253.0	13	11.5	0.82	115
STM141	28653	0.	0.	407.	0.	366.	-297.	F	6.	13.	1.50	0.07	0.18	25.3	2.73	212.7	19	10.0	0.71	106
STM141	28653	0.	0.	377.	0.	368.	-328.	A	6.	6.	1.80	0.07	0.10	24.5	2.65	222.1	16	11.0	0.79	116
STM141	28653	0.	0.	407.	0.	386.	-297.	A	6.	13.	1.41	0.07	0.18	18.2	1.96	152.9	33	9.0	0.65	110
STM088	20653	0.	377.	0.	0.	-9.	49.	6.	6.	0.92	0.07	0.10	11.8	1.28	107.1	16	13.5	0.96	135	
STM088	28653	0.	368.	0.	0.	-14.	72.	6.	9.	0.71	0.07	0.13	10.7	1.15	93.7	38	12.9	0.92	129	
STM088	28653	0.	0.	377.	0.	368.	-328.	F	6.	6.	1.87	0.07	0.10	27.1	2.92	245.3	14	11.3	0.81	115
STM088	28653	0.	0.	388.	0.	374.	-316.	F	6.	9.	1.48	0.07	0.13	23.3	2.52	205.3	20	10.2	0.73	108
STM088	28653	0.	0.	377.	0.	368.	-328.	A	6.	6.	1.76	0.07	0.10	22.7	2.45	205.5	19	10.8	0.77	117
STM088	20653	0.	0.	388.	0.	374.	-316.	A	6.	9.	1.36	0.07	0.13	17.1	1.85	150.8	34	9.4	0.67	112
PFBSTM	28653	0.	0.	378.	0.	368.	-329.	6.	6.	1.99	0.07	0.09	28.1	3.03	253.1	13	11.6	0.83	115	
PFBSTM	28653	0.	0.	456.	0.	413.	-256.	6.	24.	2.37	0.07	0.26	30.8	3.32	230.5	16	10.1	0.72	98	
TISTMT	28653	0.	378.	0.	0.	-10.	49.	6.	6.	1.27	0.07	0.09	26.7	2.88	241.2	0	15.4	1.10	123	
TISTMT	28653	0.	492.	0.	0.	-56.	275.	6.	34.	2.37	0.07	0.31	74.9	8.07	519.6	0	19.9	1.43	105	
TISTMT	20653	0.	0.	378.	0.	368.	-328.	6.	6.	2.24	0.07	0.09	42.9	4.63	387.8	6	13.4	0.96	113	
TISTMT	28653	0.	0.	492.	0.	435.	-216.	6.	34.	3.39	0.07	0.31	95.0	10.24	659.4	2	17.0	1.21	99	
TIHRSG	28653	0.	396.	0.	0.	-28.	49.	6.	6.	1.39	0.07	0.05	34.1	3.68	294.2	0	16.8	1.20	116	
TIHRSG	20653	0.	502.	0.	0.	-98.	170.	6.	21.	2.19	0.07	0.13	72.8	7.85	494.9	0	22.1	1.56	99	
TIHRSG	28653	0.	0.	396.	0.	368.	-347.	6.	6.	2.42	0.07	0.05	52.0	5.61	447.9	3	14.9	1.07	108	
TIHRSG	28653	0.	0.	502.	0.	404.	-332.	6.	21.	3.23	0.07	0.13	93.2	10.05	634.0	0	19.2	1.38	92	
STIRL	28653	390.	0.	0.	-390.	368.	49.	6.	6.	0.92	0.07	0.06	14.2	1.53	124.4	0	16.7	1.19	133	
STIRL	28653	589.	0.	0.	-589.	446.	310.	6.	38.	1.25	0.07	0.22	31.3	3.38	181.4	0	20.1	1.44	101	
STIRL	28653	0.	390.	0.	0.	-23.	49.	6.	6.	0.92	0.07	0.06	14.2	1.54	124.5	3	14.1	1.01	128	
STIRL	20653	0.	589.	0.	0.	-143.	310.	6.	38.	1.25	0.07	0.22	31.4	3.38	181.7	0	16.1	1.15	94	
STIRL	20653	0.	0.	390.	0.	368.	-341.	6.	6.	1.83	0.07	0.06	28.5	3.08	249.5	13	11.6	0.83	111	
STIRL	20653	0.	0.	589.	0.	446.	-278.	6.	38.	2.43	0.07	0.22	54.7	5.89	316.7	7	12.4	0.89	81	
HEGT60	28653	0.	0.	418.	0.	368.	-369.	A	6.	6.	1.92	0.07	-0.00	35.7	3.85	291.5	7	13.0	0.93	102
HEGT60	28653	0.	0.	1999.	0.	725.	-753.	A	6.	152.	6.92	0.07	-0.01	173.2	18.67	295.6	0	32.7	2.34	75
HEGT00	20653	0.	0.	406.	0.	368.	-357.	A	6.	6.	1.90	0.07	0.03	34.5	3.72	290.4	8	12.7	0.91	106
HEGT00	28653	0.	0.	648.	0.	435.	-373.	A	6.	33.	2.61	0.07	0.09	61.8	6.66	325.4	2	15.3	1.10	71
FCMCL	28653	0.	0.	383.	0.	368.	-334.	6.	6.	2.00	0.07	0.08	35.2	3.80	313.7	9	12.5	0.90	112	
FCMCL	28653	0.	0.	638.	0.	492.	-171.	6.	57.	3.87	0.07	0.33	71.3	7.69	381.5	6	13.2	0.94	90	
FCSTCL	28653	0.	0.	382.	0.	368.	-332.	6.	6.	2.03	0.07	0.08	34.6	3.73	309.3	9	12.5	0.89	112	
FCSTCL	20653	0.	0.	727.	0.	544.	-86.	6.	78.	4.52	0.07	0.39	82.3	8.87	386.3	6	12.6	0.90	93	
IGGTST	28653	0.	0.	390.	0.	368.	-340.	6.	6.	1.98	0.07	0.07	34.1	3.68	298.6	9	12.5	0.89	110	
IGGTST	28653	0.	0.	677.	0.	483.	-242.	6.	53.	2.38	0.07	0.26	63.9	6.89	322.0	7	12.3	0.88	80	
GTSOAR	20653	0.	392.	0.	0.	-24.	49.	6.	6.	0.87	0.07	0.06	14.3	1.54	124.6	3	14.1	1.01	128	
GTSOAR	20653	0.	784.	0.	0.	-268.	547.	6.	67.	1.12	0.07	0.26	27.6	2.97	120.0	0	15.9	1.14	95	
GTAC08	20653	0.	383.	0.	0.	-15.	49.	6.	6.	0.85	0.07	0.08	13.7	1.48	122.5	9	13.7	0.96	131	
GTAC08	20653	0.	582.	0.	0.	-116.	378.	6.	46.	0.89	0.07	0.31	20.0	2.15	117.2	12	12.8	0.91	104	

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-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVL NCRM
								MW	MW		RATIO		*10**6			(%)	WRTH ENRG
GTAC12	28653	0.	383.	0.	0.	-16.	49.	6.	6.	0.85	0.07	0.08	13.7	1.48	122.1	9	13.7
GTAC12	28653	0.	647.	0.	0.	-152.	475.	6.	58.	1.00	0.07	0.33	23.8	2.57	125.6	10	13.0
GTAC16	28653	0.	385.	0.	0.	-17.	49.	6.	6.	0.85	0.07	0.08	13.9	1.50	123.2	8	13.8
GTAC16	28653	0.	713.	0.	0.	-195.	554.	6.	68.	1.11	0.07	0.34	27.7	2.99	132.6	6	13.7
GTWC16	28653	0.	387.	0.	0.	-19.	49.	6.	6.	0.86	0.07	0.07	14.2	1.53	125.1	6	13.9
GTWC16	28653	0.	740.	0.	0.	-219.	561.	6.	68.	1.08	0.07	0.32	26.3	2.84	121.3	4	14.1
CC1626	28653	0.	388.	0.	0.	-20.	49.	6.	6.	0.93	0.07	0.07	14.0	1.51	122.9	4	14.0
CC1626	28653	0.	928.	0.	0.	-332.	814.	6.	99.	1.43	0.07	0.34	33.4	3.60	122.9	0	15.1
CC1622	28653	0.	386.	0.	0.	-19.	49.	6.	6.	0.92	0.07	0.07	13.7	1.48	121.2	5	13.9
CC1622	28653	0.	847.	0.	0.	-276.	730.	6.	89.	1.39	0.07	0.35	33.2	3.58	133.7	3	14.5
CC1222	28653	0.	386.	0.	0.	-18.	49.	6.	6.	0.92	0.07	0.07	13.5	1.46	119.5	6	13.9
CC1222	28653	0.	839.	0.	0.	-270.	725.	6.	88.	1.36	0.07	0.35	31.4	3.39	127.7	4	14.2
CC0822	28653	0.	384.	0.	0.	-16.	49.	6.	6.	0.93	0.07	0.08	13.7	1.48	122.0	7	13.9
CC0822	28653	0.	709.	0.	0.	-186.	570.	6.	69.	1.20	0.07	0.35	26.0	2.81	125.2	8	13.2
DEHTPM	28653	0.	390.	0.	0.	-22.	49.	6.	6.	1.04	0.07	0.06	18.1	1.95	158.3	0	14.6
DEHTPM	28653	0.	695.	0.	0.	-207.	455.	6.	55.	1.09	0.07	0.26	52.6	5.67	258.3	0	18.8
GTSOAD	28653	386.	0.	0.	-386.	368.	49.	6.	6.	0.84	0.07	0.07	13.5	1.45	119.1	0	16.4
GTSOAD	28653	662.	0.	0.	-662.	492.	465.	6.	57.	0.93	0.07	0.31	21.2	2.29	109.4	0	17.8
GTRA09	28653	392.	0.	0.	-392.	368.	49.	6.	6.	0.86	0.07	0.06	14.4	1.56	125.7	0	16.7
GTRA09	28653	1094.	0.	0.	-1094.	634.	940.	6.	115.	1.55	0.07	0.30	42.8	4.62	133.5	0	25.5
GTRA12	28653	390.	0.	0.	-390.	368.	49.	6.	6.	0.86	0.07	0.06	14.4	1.55	125.9	0	16.7
GTRA12	28653	1018.	0.	0.	-1018.	615.	877.	6.	107.	1.47	0.07	0.32	40.0	4.32	134.1	0	23.8
GTRA16	28653	390.	0.	0.	-390.	368.	49.	6.	6.	0.87	0.07	0.07	14.7	1.58	128.5	0	16.7
GTRA16	28653	943.	0.	0.	-943.	589.	792.	6.	96.	1.44	0.07	0.32	39.3	4.23	142.2	0	22.9
GTR208	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.1	1.52	123.9	0	16.6
GTR208	28653	811.	0.	0.	-811.	539.	624.	6.	76.	1.17	0.07	0.30	29.6	3.19	124.5	0	20.7
GTR212	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.3	1.54	125.3	0	16.6
GTR212	28653	845.	0.	0.	-845.	553.	671.	6.	82.	1.24	0.07	0.31	32.0	3.45	129.2	0	21.2
GTR216	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.4	1.55	126.5	0	16.6
GTR216	28653	853.	0.	0.	-853.	560.	692.	6.	84.	1.30	0.07	0.32	34.4	3.71	137.8	0	21.3
GTRW08	28653	395.	0.	0.	-395.	368.	49.	6.	6.	0.86	0.07	0.05	14.5	1.57	125.3	0	16.9
GTRW08	28653	1294.	0.	0.	-1294.	679.	1093.	6.	133.	1.57	0.07	0.27	42.1	4.54	111.0	0	29.3
GTRW12	28653	393.	0.	0.	-393.	368.	49.	6.	6.	0.86	0.07	0.06	14.5	1.57	126.1	0	16.8
GTRW12	28653	1218.	0.	0.	-1218.	672.	1067.	6.	130.	1.54	0.07	0.30	41.3	4.45	115.7	0	27.0
GTRW16	28653	392.	0.	0.	-392.	368.	49.	6.	6.	0.87	0.07	0.06	14.7	1.59	128.3	0	16.8
GTRW16	28653	1108.	0.	0.	-1108.	637.	952.	6.	116.	1.48	0.07	0.30	39.8	4.29	122.7	0	25.4
GTR308	28653	397.	0.	0.	-397.	368.	49.	6.	6.	0.86	0.07	0.05	14.2	1.53	122.0	0	16.9
GTR308	28653	1077.	0.	0.	-1077.	593.	803.	6.	98.	1.32	0.07	0.23	33.7	3.63	106.7	0	26.9
GTR312	28653	391.	0.	0.	-391.	368.	49.	6.	6.	0.86	0.07	0.06	14.3	1.54	124.7	0	16.6
GTR312	28653	951.	0.	0.	-951.	587.	783.	6.	95.	1.28	0.07	0.31	32.6	3.51	116.9	0	22.6
GTR316	28653	391.	0.	0.	-391.	368.	49.	6.	6.	0.86	0.07	0.06	14.5	1.56	126.7	0	16.7
GTR316	28653	942.	0.	0.	-942.	583.	769.	6.	94.	1.30	0.07	0.30	33.5	3.61	121.4	0	22.7
FCPADS	28653	396.	0.	0.	-396.	368.	49.	6.	6.	1.35	0.07	0.05	15.3	1.65	131.7	0	17.4
FCPADS	28653	1765.	0.	0.	-1765.	835.	1614.	6.	197.	21.02	0.07	0.28	113.7	12.26	219.9	0	61.5

DATE 06/08/77
CASE-PRO-ADV-DES-ENGR

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-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST EQVL	\$/KW ROI (%)	LEVL CHRG	NORM WRTH ENRG
FCMCDS	28653	389.	0.	0.	-389.	368.	49.	6.	6.	1.31	0.07	0.07	15.6	1.68	136.4	0	17.2 1.23 132
FCMCDS	28653	1288.	0.	0.	-1288.	734.	1276.	6.	155.	15.76	0.07	0.36	97.8	10.55	259.3	0	44.9 3.21 146

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-----FUEL USE IN BTU*10**6-----																				
COGENERATION CASE **NOCOGEN - COGEN**										POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL													
ONOCGN	28654	0.	261.	6.	0.	0.	0.	1.	0.	0.47	0.01	0.	6.5	1.00	85.7	0	8.8	1.00	80	
STM141	28654	0.	262.	0.	0.	-1.	6.	1.	1.	0.72	0.01	0.02	8.4	1.29	109.0	0	9.1	1.04	127	
STM141	28654	0.	278.	0.	0.	-8.	40.	1.	5.	0.62	0.01	0.10	8.6	1.32	105.5	5	8.8	1.00	92	
STM141	28654	0.	0.	262.	0.	261.	-256. F	1.	1.	1.46	0.01	0.02	19.8	3.04	257.9	9	8.0	0.90	107	
STM141	28654	0.	0.	278.	0.	271.	-239. F	1.	5.	1.24	0.01	0.10	18.6	2.87	228.6	14	7.1	0.81	72	
STM141	28654	0.	0.	262.	0.	261.	-256. A	1.	1.	1.40	0.01	0.02	19.1	2.94	249.5	10	7.8	0.89	107	
STM141	28654	0.	0.	278.	0.	271.	-239. A	1.	5.	1.10	0.01	0.10	13.6	2.09	166.4	23	6.5	0.73	75	
PFBSTM	28654	0.	0.	262.	0.	261.	-256.	1.	1.	1.35	0.01	0.02	18.0	2.89	244.7	11	7.8	0.88	107	
PFBSTM	28654	0.	0.	314.	0.	290.	-211.	1.	13.	1.77	0.01	0.20	23.2	3.58	252.6	11	7.4	0.84	76	
TISTMT	28654	0.	262.	0.	0.	-1.	6.	1.	1.	0.72	0.01	0.02	10.4	1.59	135.1	0	9.4	1.06	123	
TISTMT	28654	0.	336.	0.	0.	-32.	152.	1.	19.	1.83	0.01	0.26	55.5	8.54	563.5	0	14.2	1.62	95	
TISTMT	28654	0.	0.	262.	0.	261.	-256.	1.	1.	1.41	0.01	0.02	21.2	3.26	276.0	9	8.1	0.92	106	
TISTMT	28654	0.	0.	336.	0.	304.	-184.	1.	19.	2.60	0.01	0.26	70.8	10.89	718.9	0	12.6	1.43	89	
TIHRSG	28654	0.	264.	0.	0.	-3.	6.	1.	1.	0.69	0.01	0.01	11.3	1.74	146.0	0	9.5	1.07	120	
TIHRSG	28654	0.	368.	0.	0.	-72.	125.	1.	15.	1.77	0.01	0.13	57.7	8.88	535.0	0	15.8	1.79	82	
TIHRSG	28654	0.	0.	264.	0.	261.	-258.	1.	1.	1.38	0.01	0.01	22.4	3.44	289.4	8	8.2	0.93	105	
TIHRSG	28654	0.	0.	368.	0.	296.	-243.	1.	15.	2.60	0.01	0.13	74.0	11.39	686.5	0	14.1	1.60	76	
STIRL	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.64	0.01	0.01	9.0	1.39	116.8	0	10.9	1.23	130	
STIRL	28654	432.	0.	0.	-432.	327.	228.	1.	28.	1.00	0.01	0.22	23.2	3.58	183.7	0	13.7	1.58	97	
STIRL	28654	0.	263.	0.	0.	-3.	6.	1.	1.	0.64	0.01	0.01	9.0	1.39	116.8	0	9.2	1.04	125	
STIRL	28654	0.	432.	0.	0.	-105.	228.	1.	28.	1.00	0.01	0.22	23.3	3.58	184.0	0	10.9	1.24	89	
STIRL	28654	0.	0.	263.	0.	261.	-257.	1.	1.	1.30	0.01	0.01	19.4	2.99	252.0	11	7.7	0.88	106	
STIRL	28654	0.	0.	432.	0.	327.	-204.	1.	28.	1.91	0.01	0.22	41.2	6.34	325.4	5	8.5	0.97	76	
HEGT60	28654	0.	0.	266.	0.	261.	-261. A	1.	1.	1.23	0.01	-0.00	19.0	2.92	243.1	11	7.7	0.88	105	
HEGT60	28654	0.	0.	1466.	0.	532.	-552. A	1.	111.	5.43	0.01	-0.01	139.1	21.40	323.7	0	24.8	2.81	86	
HEGT00	28654	0.	0.	265.	0.	261.	-259. A	1.	1.	1.23	0.01	0.00	18.9	2.90	242.9	11	7.7	0.87	106	
HEGT00	28654	0.	0.	475.	0.	319.	-274. A	1.	25.	2.07	0.01	0.09	49.6	7.63	356.3	0	11.0	1.25	65	
FCMCCL	28654	0.	0.	262.	0.	261.	-257.	1.	1.	1.31	0.01	0.01	21.5	3.31	279.7	8	8.1	0.92	106	
FCMCCL	28654	0.	0.	468.	0.	361.	-126.	1.	42.	3.00	0.01	0.33	57.0	8.77	415.8	4	9.6	1.09	91	
FCSTCL	28654	0.	0.	262.	0.	261.	-256.	1.	1.	1.35	0.01	0.02	21.4	3.29	278.7	8	8.1	0.92	106	
FCSTCL	28654	0.	0.	498.	0.	380.	-93.	1.	49.	3.31	0.01	0.36	61.6	9.48	421.7	4	9.6	1.09	94	
IGGTST	28654	0.	0.	263.	0.	261.	-258.	1.	1.	1.38	0.01	0.01	20.8	3.19	269.0	8	8.1	0.92	106	
IGGTST	28654	0.	0.	463.	0.	337.	-201.	1.	32.	1.91	0.01	0.23	48.4	7.45	356.6	4	9.3	1.06	77	
GTSOAR	28654	0.	263.	0.	0.	-3.	6.	1.	1.	0.60	0.01	0.01	8.3	1.28	107.6	0	9.0	1.03	126	
GTSOAR	28654	0.	575.	0.	0.	-196.	401.	1.	49.	0.93	0.01	0.26	21.9	3.37	130.1	0	11.0	1.25	95	
GTAC08	28654	0.	262.	0.	0.	-2.	6.	1.	1.	0.59	0.01	0.01	8.2	1.26	106.4	0	9.0	1.02	127	
GTAC08	28654	0.	427.	0.	0.	-85.	277.	1.	34.	0.74	0.01	0.31	15.9	2.44	127.0	6	8.6	0.98	99	
GTAC12	28654	0.	262.	0.	0.	-2.	6.	1.	1.	0.59	0.01	0.01	8.1	1.25	105.6	0	9.0	1.02	127	
GTAC12	28654	0.	475.	0.	0.	-112.	348.	1.	42.	0.83	0.01	0.33	18.8	2.89	134.9	5	8.8	1.00	100	
GTAC16	28654	0.	263.	0.	0.	-2.	6.	1.	1.	0.59	0.01	0.01	8.1	1.25	105.7	0	9.0	1.02	127	
GTAC16	28654	0.	523.	0.	0.	-143.	406.	1.	50.	0.92	0.01	0.34	21.8	3.35	142.1	1	9.3	1.06	99	
GTWC16	28654	0.	263.	0.	0.	-2.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.5	0	9.0	1.02	126	
GTWC16	28654	0.	542.	0.	0.	-161.	411.	1.	50.	0.90	0.01	0.32	21.0	3.23	132.3	0	9.7	1.10	98	

DATE 06/09,
BASE-PEC-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	G&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
DEHTPM	28654	0.	263.	0.	0.	-3.	6.	1.	1.	0.66	0.01	0.01	9.3	1.43	120.4	0	9.2	1.04	124
DEHTPM	28654	0.	510.	0.	0.	-151.	334.	1.	41.	1.49	0.01	0.26	38.9	5.98	260.2	0	13.0	1.47	94
GTSOAD	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.1	1.25	105.2	0	10.7	1.21	132
GTSOAD	28654	485.	0.	0.	-485.	361.	341.	1.	42.	0.70	0.01	0.31	16.8	2.59	118.3	0	12.2	1.39	108
GTRA08	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	107.9	0	10.7	1.22	131
GTRA08	28654	803.	0.	0.	-803.	465.	689.	1.	84.	1.28	0.01	0.30	34.0	5.24	144.7	0	18.0	2.04	115
GTRA12	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.1	0	10.7	1.22	131
GTRA12	28654	747.	0.	0.	-747.	451.	643.	1.	78.	1.21	0.01	0.32	31.6	4.86	144.3	0	16.7	1.89	113
GTRA16	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	108.0	0	10.7	1.22	131
GTRA16	28654	691.	0.	0.	-691.	432.	580.	1.	71.	1.19	0.01	0.32	31.0	4.77	153.2	0	16.0	1.82	112
GTR208	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.2	1.27	106.9	0	10.7	1.22	131
GTR208	28654	595.	0.	0.	-595.	396.	458.	1.	56.	0.97	0.01	0.30	23.4	3.60	134.4	0	14.3	1.63	109
GTR212	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.2	0	10.7	1.22	131
GTR212	28654	619.	0.	0.	-619.	406.	492.	1.	60.	1.03	0.01	0.31	25.3	3.89	139.5	0	14.7	1.67	109
GTR216	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.3	0	10.7	1.22	131
GTR216	28654	626.	0.	0.	-626.	410.	507.	1.	62.	1.08	0.01	0.32	27.2	4.18	148.2	0	14.8	1.68	110
GTRW08	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	108.0	0	10.8	1.22	131
GTRW08	28654	949.	0.	0.	-949.	498.	801.	1.	98.	1.30	0.01	0.27	33.7	5.18	121.0	0	20.6	2.34	118
GTRW12	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.28	108.1	0	10.8	1.22	131
GTRW12	28654	893.	0.	0.	-893.	492.	782.	1.	95.	1.28	0.01	0.30	33.0	5.08	126.2	0	19.0	2.15	117
GTRW16	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.29	109.0	0	10.8	1.22	131
GTRW16	28654	813.	0.	0.	-813.	467.	698.	1.	85.	1.23	0.01	0.30	31.9	4.91	134.0	0	17.8	2.03	115
GTR308	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.59	0.01	0.01	8.2	1.27	106.5	0	10.8	1.22	131
GTR308	28654	790.	0.	0.	-790.	435.	589.	1.	72.	1.10	0.01	0.23	26.8	4.13	116.0	0	18.8	2.13	110
GTR312	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	107.7	0	10.7	1.22	131
GTR312	28654	698.	0.	0.	-698.	430.	574.	1.	70.	1.06	0.01	0.31	26.0	4.00	127.3	0	15.8	1.79	112
GTR316	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.29	108.4	0	10.7	1.22	131
GTR316	28654	691.	0.	0.	-691.	427.	564.	1.	69.	1.08	0.01	0.30	26.8	4.13	132.4	0	15.9	1.80	111
FCPADS	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.63	0.01	0.01	9.0	1.38	116.1	0	10.9	1.23	129
FCPADS	28654	1294.	0.	0.	-1294.	612.	1183.	1.	144.	15.00	0.01	0.28	84.3	12.96	222.2	0	43.3	4.92	177
FCMCDS	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.62	0.01	0.01	9.0	1.39	116.8	0	10.8	1.23	130
FCMCDS	28654	944.	0.	0.	-944.	538.	936.	1.	114.	11.26	0.01	0.36	72.3	11.13	261.4	0	31.5	3.58	154

DATE 06/08/75
 I&SE-PEG-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

PAGE 30

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	OGM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WORTH ENRG	
ONOCGN 28691	0.	4.	12.	0.	0.	0.	0.	2.	0.	0.38	0.04	0.	4.7	1.00	102.2	0	1.3	1.00	90
PFBSTM 28691	0.	0.	0.	0.	4.	12.	0.	2.	2.	1.24	0.04	1.00	15.9	3.39	332.5	0	3.0	2.23	262
PFBSTM 28691	0.	0.	0.	0.	15.	49.	0.	2.	6.	1.24	0.04	1.00	16.0	3.42	297.1	0	2.1	1.62	214
TIHRSG 28691	0.	0.	0.	0.	4.	12.	0.	2.	2.	1.32	0.04	1.00	23.3	4.96	469.7	0	3.8	2.89	273
TIHRSG 28691	0.	0.	0.	0.	24.	81.	0.	2.	10.	1.94	0.04	1.00	53.8	11.47	767.7	0	6.2	4.70	269
HEGT00 28691	0.	0.	0.	0.	4.	12.	A	2.	2.	1.09	0.04	1.00	17.1	3.65	342.9	0	2.9	2.21	260
HEGT00 28691	0.	0.	0.	0.	37.	125.	A	2.	15.	1.49	0.04	1.00	35.5	7.57	409.4	0	2.8	2.13	202
FCMCCL 28691	0.	0.	284.	0.	62.	-76.	0.	2.	25.	2.06	0.04	-0.05	39.9	8.51	478.4	0	6.9	5.17	144
GTSUAR 28691	0.	18.	0.	0.	-14.	12.	0.	2.	2.	0.54	0.04	-0.10	6.8	1.45	138.9	0	1.8	1.33	116
GTAC08 28691	0.	19.	0.	0.	-15.	12.	0.	2.	2.	0.53	0.04	-0.19	6.5	1.39	135.2	0	1.8	1.32	107
GTAC12 28691	0.	17.	0.	0.	-13.	12.	0.	2.	2.	0.52	0.04	-0.05	6.4	1.37	134.0	0	1.7	1.27	123
GTAC16 28691	0.	16.	0.	0.	-12.	12.	0.	2.	2.	0.52	0.04	0.01	6.5	1.38	134.4	0	1.7	1.25	130
GIMC16 28691	0.	16.	0.	0.	-13.	12.	0.	2.	2.	0.53	0.04	-0.02	6.7	1.43	138.3	0	1.7	1.25	127
GTSQAD 28691	18.	0.	0.	0.	-18.	4.	12.	2.	2.	0.52	0.04	-0.10	6.4	1.36	132.2	0	1.8	1.37	120
GTRA00 28691	14.	0.	0.	0.	-14.	4.	12.	2.	2.	0.53	0.04	0.10	6.8	1.45	138.1	0	1.8	1.32	142
GTRA12 28691	14.	0.	0.	0.	-14.	4.	12.	2.	2.	0.53	0.04	0.11	6.7	1.44	138.3	0	1.7	1.31	142
GTRA16 28691	15.	0.	0.	0.	-15.	4.	12.	2.	2.	0.53	0.04	0.08	6.9	1.46	140.9	0	1.8	1.33	140
GTR208 28691	16.	0.	0.	0.	-16.	4.	12.	2.	2.	0.53	0.04	-0.00	6.7	1.43	137.8	0	1.8	1.36	130
GTR212 28691	16.	0.	0.	0.	-16.	4.	12.	2.	2.	0.53	0.04	0.03	6.8	1.44	138.9	0	1.8	1.35	134
GTR216 28691	15.	0.	0.	0.	-15.	4.	12.	2.	2.	0.53	0.04	0.05	6.8	1.45	139.4	0	1.8	1.34	136
GTRW08 28691	15.	0.	0.	0.	-15.	4.	12.	2.	2.	0.53	0.04	0.09	6.9	1.47	139.7	0	1.8	1.33	140
GTRW12 28691	14.	0.	0.	0.	-14.	4.	12.	2.	2.	0.53	0.04	0.12	6.9	1.47	140.6	0	1.8	1.32	144
GTRW16 28691	14.	0.	0.	0.	-14.	4.	12.	2.	2.	0.53	0.04	0.10	7.0	1.49	143.0	0	1.8	1.34	142
GTR308 28691	17.	0.	0.	0.	-17.	4.	12.	2.	2.	0.53	0.04	-0.03	6.7	1.42	135.0	0	1.8	1.37	127
GTR312 28691	15.	0.	0.	0.	-15.	4.	12.	2.	2.	0.53	0.04	0.06	6.8	1.45	139.9	0	1.8	1.34	138
GTR316 28691	15.	0.	0.	0.	-15.	4.	12.	2.	2.	0.53	0.04	0.06	6.9	1.47	141.9	0	1.8	1.35	137
FCPADS 28691	13.	0.	0.	0.	-13.	4.	12.	2.	2.	0.62	0.04	0.16	7.0	1.49	142.2	0	1.8	1.37	150
FCMCDS 28691	12.	0.	0.	0.	-12.	4.	12.	2.	2.	0.60	0.04	0.22	7.0	1.50	145.0	0	1.8	1.34	157

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN 5TU*10**6-----																				
COGENERATION CASE **NOCCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	WRTH	
								MW	MW		RATIO		*10**6							
UNOCGN	28692	0.	190.	47.	0.	0.	0.	6.	0.	0.40	0.13	0.	5.1	1.00	98.0	0	7.7	1.00	80	
PFBSTM	28692	0.	2.	207.	0.	188.	-161.	6.	5.	1.29	0.13	0.12	16.2	3.19	276.5	11	6.7	0.86	107	
TIHRSG	28692	0.	226.	0.	0.	-36.	47.	6.	6.	1.21	0.13	0.05	30.6	6.03	461.0	0	10.9	1.41	115	
TIHRSG	20692	0.	276.	0.	0.	-72.	93.	6.	11.	1.46	0.13	0.07	46.5	9.18	575.5	0	13.3	1.71	107	
TIHRSG	28692	0.	0.	226.	0.	190.	-180.	6.	6.	1.95	0.13	0.05	43.4	8.56	654.0	0	10.4	1.35	111	
TIHRSG	28692	0.	0.	276.	0.	204.	-183.	6.	11.	2.14	0.13	0.07	59.8	11.80	739.5	0	12.2	1.57	102	
HEGT00	28692	0.	0.	229.	0.	190.	-182.	A 6.	6.	1.46	0.13	0.04	26.8	5.28	399.1	3	8.2	1.06	106	
HEGT00	28692	0.	0.	336.	0.	219.	-194.	A 6.	17.	1.63	0.13	0.07	38.8	7.66	394.3	0	9.3	1.20	86	
FCMCCL	28692	0.	0.	205.	0.	190.	-159.	6.	6.	1.52	0.13	0.13	25.8	5.10	429.2	5	7.8	1.01	118	
FCMCCL	28692	0.	0.	321.	0.	247.	-86.	6.	29.	2.25	0.13	0.33	43.5	8.59	462.1	4	8.3	1.07	102	
GTSOAR	28692	0.	217.	0.	0.	-26.	47.	6.	6.	0.67	0.13	0.09	9.4	1.86	148.3	1	7.9	1.02	127	
GTSOAR	28692	0.	444.	0.	0.	-175.	310.	6.	38.	0.80	0.13	0.23	17.9	3.53	137.6	0	9.6	1.24	96	
GTAC08	28692	0.	205.	0.	0.	-15.	47.	6.	6.	0.65	0.13	0.14	8.7	1.72	145.0	10	7.5	0.96	134	
GTAC08	28692	0.	293.	0.	0.	-59.	190.	6.	23.	0.60	0.13	0.31	11.9	2.36	139.3	11	7.1	0.92	115	
GTAC12	28692	0.	205.	0.	0.	-15.	47.	6.	6.	0.64	0.13	0.14	8.7	1.72	145.3	10	7.5	0.96	134	
GTAC12	28692	0.	319.	0.	0.	-73.	234.	6.	29.	0.66	0.13	0.34	13.8	2.73	147.7	10	7.1	0.92	111	
GTAC16	28692	0.	207.	0.	0.	-17.	47.	6.	6.	0.65	0.13	0.13	8.9	1.76	146.7	9	7.5	0.98	132	
GTAC16	28692	0.	361.	0.	0.	-101.	281.	6.	34.	0.73	0.13	0.33	16.3	3.21	153.7	6	7.6	0.99	106	
GTWC16	28692	0.	209.	0.	0.	-18.	47.	6.	6.	0.66	0.13	0.12	9.2	1.82	150.5	7	7.6	0.99	131	
GTWC16	28692	0.	369.	0.	0.	-109.	280.	6.	34.	0.73	0.13	0.32	15.8	3.14	146.9	4	7.8	1.01	105	
GTSOAD	28692	207.	0.	0.	-207.	190.	47.	6.	6.	0.64	0.13	0.13	8.5	1.67	139.5	0	8.8	1.14	137	
GTSOAD	28692	330.	0.	0.	-330.	246.	232.	6.	28.	0.63	0.13	0.31	12.6	2.48	130.0	0	9.5	1.22	117	
GTRA08	28692	218.	0.	0.	-218.	190.	47.	6.	6.	0.67	0.13	0.08	9.5	1.88	149.2	0	9.4	1.21	131	
GTRA08	28692	741.	0.	0.	-741.	367.	636.	6.	78.	1.16	0.13	0.26	29.7	5.86	136.8	0	17.3	2.24	113	
GTRA12	28692	216.	0.	0.	-216.	190.	47.	6.	6.	0.67	0.13	0.09	9.5	1.88	150.5	0	9.3	1.20	132	
GTRA12	28692	635.	0.	0.	-635.	340.	547.	6.	67.	1.09	0.13	0.28	27.5	5.43	147.8	0	15.2	1.97	111	
GTRA16	28692	215.	0.	0.	-215.	190.	47.	6.	6.	0.67	0.13	0.10	9.8	1.93	155.6	0	9.3	1.20	132	
GTRA16	28692	556.	0.	0.	-556.	316.	467.	6.	57.	1.03	0.13	0.29	26.0	5.14	159.6	0	14.0	1.81	109	
GTR208	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.3	1.83	148.3	0	9.1	1.18	134	
GTR208	28692	444.	0.	0.	-444.	279.	342.	6.	42.	0.82	0.13	0.28	18.6	3.68	143.3	0	11.9	1.53	108	
GTR212	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.4	1.86	150.8	0	9.2	1.18	133	
GTR212	28692	455.	0.	0.	-455.	287.	369.	6.	45.	0.86	0.13	0.29	20.2	3.99	148.6	0	12.2	1.58	108	
GTR216	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.67	0.13	0.10	9.5	1.88	152.9	0	9.2	1.18	133	
GTR216	28692	474.	0.	0.	-474.	291.	384.	6.	47.	0.90	0.13	0.30	21.8	4.30	157.0	0	12.4	1.60	108	
GTRW08	28692	220.	0.	0.	-220.	190.	47.	6.	6.	0.67	0.13	0.07	9.6	1.90	149.5	0	9.4	1.22	130	
GTRW08	28692	834.	0.	0.	-834.	387.	705.	6.	86.	1.19	0.13	0.24	30.2	5.96	123.6	0	19.2	2.48	116	
GTRW12	28692	217.	0.	0.	-217.	190.	47.	6.	6.	0.67	0.13	0.09	9.7	1.91	151.9	0	9.3	1.21	131	
GTRW12	28692	732.	0.	0.	-732.	368.	641.	6.	78.	1.13	0.13	0.27	28.3	5.59	131.9	0	16.7	2.18	114	
GTRW16	28692	216.	0.	0.	-216.	190.	47.	6.	6.	0.67	0.13	0.09	9.9	1.95	156.3	0	9.3	1.20	131	
GTRW16	28692	628.	0.	0.	-628.	338.	540.	6.	66.	1.05	0.13	0.28	26.3	5.19	143.0	0	15.0	1.94	110	
GTR308	28692	221.	0.	0.	-221.	190.	47.	6.	6.	0.67	0.13	0.07	9.2	1.83	142.6	0	9.4	1.22	130	
GTR308	28692	621.	0.	0.	-621.	315.	463.	6.	56.	0.95	0.13	0.20	22.2	4.38	121.9	0	15.9	2.06	106	
GTR312	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.4	1.86	150.9	0	9.2	1.18	133	

DATE 06/08/75
 LSGE-PEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

PAGE 02

-----FUEL USE IN DTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTR312	28692	498.	0.	0.	-498.	299.	409.	6.	50.	0.87	0.13	0.30	20.3	4.01	139.5	0	12.5	1.61 109
GTR316	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.67	0.13	0.10	9.7	1.90	154.5	0	9.2	1.19 133
GTR316	28692	491.	0.	0.	-491.	296.	401.	6.	49.	0.89	0.13	0.30	20.9	4.13	145.5	0	12.5	1.62 108
FCPADS	28692	217.	0.	0.	-217.	190.	47.	6.	6.	1.09	0.13	0.08	9.8	1.94	154.2	0	9.8	1.27 132
FCPADS	28692	882.	0.	0.	-882.	417.	807.	6.	98.	10.30	0.13	0.20	58.1	11.46	224.6	0	30.6	3.96 154
FCMCDS	28692	211.	0.	0.	-211.	190.	47.	6.	6.	1.06	0.13	0.11	10.1	1.99	163.0	0	9.5	1.23 134
FCMCDS	28692	644.	0.	0.	-644.	367.	638.	6.	78.	7.74	0.13	0.36	50.1	9.89	265.6	0	22.6	2.92 139

GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
FCS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONUCON	28693	0.	379.	30.	0.	0.	0.	4.	0.	0.69	0.04	0.	13.3	1.00	110.5	0	13.8	1.00	80
STM141	28693	0.	385.	0.	0.	-6.	30.	4.	4.	0.96	0.04	0.06	13.7	1.02	109.3	31	13.5	0.98	136
STM141	28693	0.	445.	0.	0.	-29.	153.	4.	19.	0.86	0.04	0.22	15.6	1.17	109.6	30	12.6	0.91	112
STM141	28693	0.	0.	385.	0.	379.	-355.	4.	4.	1.94	0.04	0.06	28.6	2.15	229.4	14	11.5	0.83	116
STM141	28693	0.	0.	445.	0.	416.	-293.	4.	19.	1.75	0.04	0.22	29.1	2.18	204.0	20	9.6	0.69	93
STM141	28693	0.	0.	385.	0.	379.	-355.	4.	4.	1.85	0.04	0.06	26.9	2.02	215.3	16	11.2	0.81	117
STM141	28693	0.	0.	445.	0.	416.	-293.	4.	19.	1.57	0.04	0.22	20.7	1.56	145.4	40	8.5	0.61	98
STM000	28693	0.	385.	0.	0.	-6.	30.	4.	4.	0.94	0.04	0.06	12.2	0.92	97.9	999	13.3	0.96	139
STM000	28693	0.	423.	0.	0.	-20.	107.	4.	13.	0.82	0.04	0.17	13.9	1.04	102.4	62	12.8	0.92	119
STM008	28693	0.	0.	385.	0.	379.	-355.	4.	4.	1.96	0.04	0.06	28.9	2.16	231.0	14	11.5	0.83	116
STM008	28693	0.	0.	423.	0.	402.	-316.	4.	13.	1.64	0.04	0.17	26.9	2.02	197.8	21	9.9	0.71	99
STM008	28693	0.	0.	385.	0.	379.	-355.	4.	4.	1.88	0.04	0.06	26.7	2.01	214.0	16	11.2	0.81	117
STM008	28693	0.	0.	423.	0.	402.	-316.	4.	13.	1.51	0.04	0.17	19.6	1.47	144.2	42	9.0	0.65	104
PFBSTM	28693	0.	0.	386.	0.	379.	-356.	4.	4.	1.92	0.04	0.06	27.9	2.09	223.2	15	11.4	0.82	116
PFBSTM	28693	0.	0.	503.	0.	448.	-243.	4.	32.	2.65	0.04	0.29	35.0	2.62	219.5	16	9.7	0.70	91
TISTMT	28693	0.	385.	0.	0.	-6.	30.	4.	4.	1.21	0.04	0.06	25.0	1.88	200.2	0	15.0	1.08	125
TISTMT	28693	0.	530.	0.	0.	-65.	316.	4.	39.	2.71	0.04	0.32	81.2	6.09	485.3	0	20.3	1.47	102
TISTMT	28693	0.	0.	385.	0.	379.	-356.	4.	4.	2.09	0.04	0.06	36.9	2.77	295.0	9	12.5	0.90	114
TISTMT	28693	0.	0.	547.	0.	476.	-196.	4.	43.	3.82	0.04	0.34	109.0	8.17	631.8	1	17.6	1.27	97
TIHRSG	28693	0.	392.	0.	0.	-12.	30.	4.	4.	1.22	0.04	0.04	27.6	2.07	217.4	0	15.4	1.11	122
TIHRSG	28693	0.	488.	0.	0.	-65.	165.	4.	20.	2.36	0.04	0.17	72.9	5.47	470.5	0	21.1	1.52	93
TIHRSG	28693	0.	0.	392.	0.	379.	-362.	4.	4.	2.21	0.04	0.04	43.7	3.28	345.0	6	13.5	0.97	111
TIHRSG	28693	0.	0.	501.	0.	425.	-317.	4.	22.	3.40	0.04	0.18	98.7	7.41	621.7	0	19.0	1.37	86
STIRL	28693	392.	0.	0.	-392.	379.	30.	4.	4.	0.99	0.04	0.04	18.2	1.36	143.0	0	16.7	1.21	133
STIRL	28693	660.	0.	0.	-660.	490.	400.	4.	49.	1.59	0.04	0.26	37.2	2.79	181.2	0	20.5	1.48	103
STIRL	28693	0.	392.	0.	0.	-13.	30.	4.	4.	0.99	0.04	0.04	18.2	1.36	143.1	0	14.2	1.02	128
STIRL	28693	0.	660.	0.	0.	-170.	400.	4.	49.	1.59	0.04	0.26	37.3	2.80	181.4	0	16.3	1.17	96
STIRL	28693	0.	0.	392.	0.	379.	-362.	4.	4.	1.82	0.04	0.04	28.8	2.16	226.7	15	11.4	0.82	114
STIRL	28693	0.	0.	692.	0.	503.	-248.	4.	54.	2.92	0.04	0.27	68.8	5.16	320.3	7	12.5	0.90	82
HEGT05	28693	0.	0.	404.	0.	379.	-374.	4.	4.	1.82	0.04	0.01	32.6	2.45	250.1	11	12.1	0.87	109
HEGT05	28693	0.	0.	2919.	0.	1054.	-633.	4.	279.	10.24	0.04	0.13	269.1	20.19	310.3	0	37.9	2.74	102
HEGT05	28693	0.	0.	402.	0.	379.	-372.	4.	4.	1.82	0.04	0.02	32.3	2.42	248.5	11	12.0	0.87	110
HEGT00	28693	0.	0.	1163.	0.	595.	-413.	4.	91.	4.69	0.04	0.14	121.0	9.08	343.0	0	21.2	1.53	76
HEGT00	28693	0.	0.	400.	0.	379.	-371.	4.	4.	1.83	0.04	0.02	31.9	2.39	246.2	11	12.0	0.86	110
HEGT00	28693	0.	0.	675.	0.	461.	-372.	4.	37.	2.78	0.04	0.12	66.3	4.98	315.9	3	15.1	1.09	69
FCMCCL	28693	0.	0.	430.	0.	379.	-400.	4.	4.	1.94	0.04	-0.05	34.3	2.57	272.3	8	12.9	0.93	102
FCMCCL	28693	0.	0.	739.	0.	532.	-199.	4.	66.	4.28	0.04	0.31	79.4	5.95	366.3	5	14.1	1.02	89
FCSTCL	28693	0.	0.	429.	0.	379.	-399.	4.	4.	1.97	0.04	-0.05	33.7	2.53	268.3	8	12.9	0.93	102
FCSTCL	28693	0.	0.	869.	0.	606.	-82.	4.	96.	5.13	0.04	0.38	94.2	7.07	369.8	5	13.2	0.96	94
IGGTST	28693	0.	0.	433.	0.	379.	-404.	4.	4.	1.96	0.04	-0.06	32.8	2.46	258.0	8	12.8	0.93	101
IGGTST	28693	0.	0.	810.	0.	532.	-268.	4.	66.	2.64	0.04	0.25	72.7	5.45	306.1	6	12.8	0.93	79
GTSCAR	28693	0.	392.	0.	0.	-12.	30.	4.	4.	0.93	0.04	0.04	17.3	1.30	136.5	0	14.0	1.01	129
GTSCAR	28693	0.	743.	0.	0.	-217.	518.	4.	63.	1.30	0.04	0.29	28.5	2.14	123.9	0	14.8	1.07	101

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	LEVL
								MW	MW		RATIO		*10**6			CHRG
															(%)	NORM WRTH
																ENRG
GTAC08	28693	0.	389.	0.	0.	-9.	30.	4.	4.	0.92	0.04	0.05	16.8	1.26	133.8	4
GTAC08	28693	0.	612.	0.	0.	-123.	398.	4.	48.	1.13	0.04	0.31	22.5	1.69	117.7	12
GTAC12	28693	0.	389.	0.	0.	-9.	30.	4.	4.	0.92	0.04	0.05	16.8	1.26	133.4	4
GTAC12	28693	0.	679.	0.	0.	-159.	498.	4.	61.	1.24	0.04	0.33	26.5	1.99	125.6	9
GTAC16	28693	0.	389.	0.	0.	-10.	30.	4.	4.	0.92	0.04	0.05	16.9	1.27	134.2	4
GTAC16	28693	0.	728.	0.	0.	-189.	566.	4.	69.	1.34	0.04	0.34	30.1	2.25	133.3	6
GTWC16	28693	0.	391.	0.	0.	-12.	30.	4.	4.	0.93	0.04	0.04	17.2	1.29	135.7	1
GTWC16	28693	0.	778.	0.	0.	-232.	590.	4.	72.	1.33	0.04	0.32	29.1	2.18	121.0	2
CC1626	28693	0.	391.	0.	0.	-12.	30.	4.	4.	0.99	0.04	0.04	16.9	1.27	133.7	0
CC1626	28693	0.	1000.	0.	0.	-361.	896.	4.	109.	1.72	0.04	0.35	37.5	2.82	123.1	0
CC1622	28693	0.	390.	0.	0.	-11.	30.	4.	4.	0.98	0.04	0.05	16.7	1.26	132.3	0
CC1622	28693	0.	912.	0.	0.	-301.	805.	4.	98.	1.68	0.04	0.36	37.4	2.81	134.0	1
CC1222	28693	0.	390.	0.	0.	-11.	30.	4.	4.	0.98	0.04	0.05	16.6	1.24	131.2	1
CC1222	28693	0.	904.	0.	0.	-294.	800.	4.	97.	1.65	0.04	0.36	35.5	2.66	128.3	3
CC0622	28693	0.	389.	0.	0.	-10.	30.	4.	4.	0.99	0.04	0.05	16.8	1.26	133.1	1
CC0622	28693	0.	764.	0.	0.	-204.	633.	4.	77.	1.47	0.04	0.36	29.7	2.23	126.1	7
STIG15	28693	0.	402.	0.	0.	-23.	30.	4.	4.	0.94	0.04	0.02	16.9	1.27	130.1	0
STIG15	28693	0.	24231.	0.	0.	-17225.	22214.	4.	2706.	39.86	0.04	0.17	671.0	50.33	94.3	0
STIG10	28693	0.	399.	0.	0.	-20.	30.	4.	4.	0.93	0.04	0.02	16.7	1.25	129.4	0
STIG10	28693	0.	2377.	0.	0.	-1393.	2054.	4.	250.	4.04	0.04	0.22	75.9	5.69	107.0	0
STIG1S	28693	0.	398.	0.	0.	-19.	30.	4.	4.	0.93	0.04	0.03	16.6	1.25	129.3	0
STIG1S	28693	0.	1494.	0.	0.	-764.	1205.	4.	147.	2.73	0.04	0.23	47.1	3.53	104.6	0
DEADV3	28693	0.	396.	0.	0.	-16.	30.	4.	4.	1.02	0.04	0.03	20.1	1.50	156.7	0
DEADV3	28693	0.	1537.	0.	0.	-756.	1372.	4.	167.	3.62	0.04	0.29	111.5	8.37	241.2	0
DEHTPM	28693	0.	389.	0.	0.	-10.	30.	4.	4.	1.06	0.04	0.05	20.2	1.52	160.5	0
DEHTPM	28693	0.	735.	0.	0.	-192.	579.	4.	70.	2.18	0.04	0.34	56.8	4.26	249.5	0
DESCA3	28693	398.	0.	0.	-398.	379.	30.	4.	4.	1.00	0.04	0.03	19.1	1.43	148.2	0
DESCA3	28693	1342.	0.	0.	-1842.	849.	1600.	4.	195.	4.87	0.04	0.25	159.8	11.99	289.6	0
DESCA3	28693	0.	398.	0.	0.	-18.	30.	4.	4.	1.00	0.04	0.03	19.1	1.43	148.2	0
DESCA3	28693	0.	1842.	0.	0.	-994.	1600.	4.	195.	4.87	0.04	0.25	159.8	11.99	289.6	0
GTSOAD	28693	390.	0.	0.	-390.	379.	30.	4.	4.	0.92	0.04	0.05	16.7	1.25	131.9	0
GTSOAD	28693	684.	0.	0.	-684.	514.	481.	4.	59.	1.17	0.04	0.31	23.6	1.77	111.0	0
GTRA08	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.4	1.31	137.6	0
GTRA08	28693	937.	0.	0.	-937.	611.	805.	4.	98.	1.64	0.04	0.34	40.7	3.05	141.8	0
GTRA12	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.92	0.04	0.04	17.4	1.30	137.2	0
GTRA12	28693	910.	0.	0.	-910.	605.	764.	4.	95.	1.59	0.04	0.34	38.8	2.91	139.3	0
GTRA16	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.6	1.32	138.7	0
GTRA16	28693	869.	0.	0.	-869.	509.	730.	4.	89.	1.59	0.04	0.34	39.0	2.92	146.1	0
GTR208	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.92	0.04	0.04	17.2	1.29	135.7	0
GTR208	28693	783.	0.	0.	-783.	551.	603.	4.	73.	1.37	0.04	0.32	30.8	2.31	127.3	0
GTR212	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.3	1.30	136.5	0
GTR212	28693	815.	0.	0.	-815.	564.	647.	4.	79.	1.43	0.04	0.33	33.1	2.48	131.8	0
GTR216	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.05	17.4	1.30	137.2	0
GTR216	28693	818.	0.	0.	-818.	569.	663.	4.	81.	1.49	0.04	0.34	35.3	2.65	140.2	0

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COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	G&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG
								MW	MW		RATIO		*10**6				ENRG
GTRW08	28693	394.	0.	0.	-394.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.3	0	16.7
GTRW08	28693	1136.	0.	0.	-1136.	657.	959.	4.	117.	1.67	0.04	0.30	40.5	3.04	117.3	0	25.3
GTRW12	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.6	0	16.6
GTRW12	28693	1111.	0.	0.	-1111.	661.	973.	4.	119.	1.68	0.04	0.32	40.7	3.05	120.6	0	24.1
GTRW16	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.7	1.33	138.9	0	16.6
GTRW16	28693	1048.	0.	0.	-1048.	639.	900.	4.	110.	1.65	0.04	0.32	40.2	3.02	126.1	0	23.5
GTR308	28693	395.	0.	0.	-395.	379.	30.	4.	4.	0.93	0.04	0.03	17.2	1.29	134.7	0	16.7
GTR308	28693	982.	0.	0.	-982.	589.	732.	4.	89.	1.48	0.04	0.26	33.6	2.52	112.2	0	24.0
GTR312	28693	392.	0.	0.	-392.	379.	30.	4.	4.	0.93	0.04	0.04	17.3	1.30	136.3	0	16.6
GTR312	28693	950.	0.	0.	-950.	604.	782.	4.	95.	1.49	0.04	0.31	34.4	2.58	118.4	0	21.9
GTR316	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.5	0	16.6
GTR316	28693	944.	0.	0.	-944.	601.	770.	4.	94.	1.51	0.04	0.31	35.4	2.66	122.6	0	22.0
FCPADS	28693	396.	0.	0.	-396.	379.	30.	4.	4.	1.20	0.04	0.03	18.4	1.38	143.2	0	17.1
FCPADS	28693	1853.	0.	0.	-1853.	877.	1694.	4.	206.	21.59	0.04	0.28	121.2	9.09	218.4	0	62.7
FCMCDS	28693	392.	0.	0.	-392.	379.	30.	4.	4.	1.17	0.04	0.04	18.5	1.39	145.8	0	16.9
FCMCDS	28693	1352.	0.	0.	-1352.	771.	1340.	4.	163.	16.25	0.04	0.36	104.5	7.84	256.0	0	45.8

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	MW	MW		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG
ONOCGN	28694	0.	408.	27.	0.	0.	0.	3.	0.	0.73	0.03	0.	0.03	0.	14.4	1.00	104.2	0	14.7
STM141	28694	0.	413.	0.	0.	-5.	27.	3.	3.	1.03	0.03	0.05	0.03	0.05	14.7	1.02	103.7	24	14.3
STM141	28694	0.	446.	0.	0.	-18.	95.	3.	12.	0.86	0.03	0.15	0.03	0.15	15.0	1.05	99.3	50	13.3
STM141	28694	0.	0.	413.	0.	408.	-386.	F	3.	3.	2.11	0.03	0.05	0.05	31.6	2.20	222.6	13	12.4
STM141	28694	0.	0.	446.	0.	428.	-352.	F	3.	12.	1.78	0.03	0.15	0.15	29.1	2.02	191.9	20	10.9
STM141	28694	0.	0.	413.	0.	408.	-386.	A	3.	3.	2.01	0.03	0.05	0.05	28.8	2.00	203.0	16	12.0
STM141	28694	0.	0.	446.	0.	428.	-352.	A	3.	12.	1.59	0.03	0.15	0.15	20.3	1.41	133.8	45	9.7
PFBSTM	28694	0.	0.	414.	0.	408.	-387.		3.	3.	2.07	0.03	0.05	0.05	30.2	2.10	212.4	14	12.2
PFBSTM	28694	0.	0.	512.	0.	463.	-300.		3.	26.	2.76	0.03	0.24	0.24	35.3	2.46	207.1	15	11.0
TISTMT	28694	0.	414.	0.	0.	-6.	27.	3.	3.	1.28	0.03	0.05	0.03	0.05	26.8	1.86	188.6	0	16.1
TISTMT	28694	0.	531.	0.	0.	-54.	259.	3.	32.	2.73	0.03	0.28	0.03	0.28	80.8	5.63	458.6	0	21.6
TISTMT	28694	0.	0.	414.	0.	408.	-387.		3.	3.	2.23	0.03	0.05	0.05	39.9	2.77	280.8	9	13.4
TISTMT	28694	0.	0.	554.	0.	491.	-250.		3.	37.	3.95	0.03	0.30	0.30	112.6	7.84	615.2	0	19.2
TIHRSG	28694	0.	423.	0.	0.	-14.	27.	3.	3.	1.30	0.03	0.03	0.03	0.03	30.3	2.11	209.8	0	16.6
TIHRSG	28694	0.	557.	0.	0.	-101.	189.	3.	23.	2.61	0.03	0.14	0.03	0.14	81.1	5.64	440.7	0	23.6
TIHRSG	28694	0.	0.	423.	0.	408.	-395.		3.	3.	2.29	0.03	0.03	0.03	44.4	3.09	307.3	6	14.1
TIHRSG	28694	0.	0.	585.	0.	466.	-363.		3.	27.	3.89	0.03	0.15	0.15	113.8	7.92	592.3	0	21.6
STIRL	28694	420.	0.	0.	-420.	408.	27.	3.	3.	1.04	0.03	0.03	0.03	0.03	19.5	1.36	135.8	0	17.9
STIRL	28694	673.	0.	0.	-678.	511.	371.	3.	45.	1.66	0.03	0.23	0.03	0.23	38.9	2.70	177.1	0	22.0
STIRL	28694	0.	420.	0.	0.	-12.	27.	3.	3.	1.04	0.03	0.03	0.03	0.03	19.5	1.36	135.8	0	15.2
STIRL	28694	0.	678.	0.	0.	-167.	371.	3.	45.	1.66	0.03	0.23	0.03	0.23	38.9	2.71	177.3	0	17.6
STIRL	28694	0.	0.	420.	0.	408.	-393.	3.	3.	1.94	0.03	0.03	0.03	0.03	31.2	2.17	216.6	14	12.2
STIRL	28694	0.	0.	727.	0.	530.	-291.	3.	53.	3.09	0.03	0.25	0.03	0.25	73.5	5.12	314.4	6	13.9
HEGT60	28694	0.	0.	434.	0.	408.	-407.	A	3.	3.	1.91	0.03	0.00	0.00	33.6	2.34	227.3	11	12.8
HEGT60	28694	0.	0.	2063.	0.	797.	-733.	A	3.	162.	7.19	0.03	0.03	0.03	181.3	12.62	290.0	0	32.3
HEGT60	28694	0.	0.	429.	0.	408.	-402.	A	3.	3.	1.92	0.03	0.01	0.01	33.2	2.31	226.6	12	12.7
HEGT60	28694	0.	0.	783.	0.	508.	-422.	A	3.	44.	3.15	0.03	0.10	0.10	75.1	5.23	300.2	1	16.9
FCMCCL	28694	0.	0.	487.	0.	400.	-460.		3.	3.	2.04	0.03	-0.12	-0.12	36.3	2.53	254.2	7	14.2
FCMCCL	28694	0.	0.	849.	0.	586.	-228.		3.	76.	4.78	0.03	0.30	0.30	87.8	6.11	352.7	4	15.5
FCSTCL	28694	0.	0.	487.	0.	400.	-459.		3.	3.	2.09	0.03	-0.12	-0.12	36.0	2.50	252.4	7	14.2
FCSTCL	28694	0.	0.	925.	0.	631.	-153.		3.	94.	5.35	0.03	0.34	0.34	97.0	6.75	357.5	5	15.0
IGOTST	28694	0.	0.	491.	0.	400.	-464.		3.	3.	2.07	0.03	-0.13	-0.13	35.0	2.43	242.9	7	14.1
IGOTST	28694	0.	0.	861.	0.	552.	-353.		3.	62.	2.69	0.03	0.19	0.19	74.2	5.17	294.2	5	14.6
GTSGAR	28694	0.	421.	0.	0.	-13.	27.	3.	3.	0.97	0.03	0.03	0.03	0.03	18.3	1.27	127.1	0	15.0
GTSGAR	28694	0.	865.	0.	0.	-285.	604.	3.	74.	1.51	0.03	0.27	0.03	0.27	34.5	2.40	125.7	0	17.2
GTAC08	28694	0.	416.	0.	0.	-8.	27.	3.	3.	0.96	0.03	0.04	0.03	0.04	17.9	1.24	125.3	3	14.8
GTAC08	28694	0.	659.	0.	0.	-131.	428.	3.	52.	1.22	0.03	0.31	0.03	0.31	24.5	1.71	114.7	11	13.8
GTAC12	28694	0.	417.	0.	0.	-9.	27.	3.	3.	0.95	0.03	0.04	0.03	0.04	17.8	1.24	124.8	3	14.8
GTAC12	28694	0.	735.	0.	0.	-174.	539.	3.	66.	1.34	0.03	0.33	0.03	0.33	28.8	2.01	122.2	8	14.1
GTAC16	28694	0.	418.	0.	0.	-9.	27.	3.	3.	0.95	0.03	0.04	0.03	0.04	17.9	1.25	125.4	2	14.8
GTAC16	28694	0.	804.	0.	0.	-217.	625.	3.	76.	1.46	0.03	0.34	0.03	0.34	33.0	2.30	128.9	5	14.8
GTWC16	28694	0.	419.	0.	0.	-11.	27.	3.	3.	0.96	0.03	0.04	0.03	0.04	18.2	1.27	126.9	0	14.9
GTWC16	28694	0.	839.	0.	0.	-249.	636.	3.	77.	1.43	0.03	0.32	0.03	0.32	31.4	2.18	117.7	2	15.3

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE								**NOCOGEN - COGEN**										
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
DEHTPM	28694	0.	419.	0.	0.	-11.	27.	3.	3.	1.12	0.03	0.04	21.8	1.52	151.8	0	15.5	1.05 126
DEHTPM	28694	0.	792.	0.	0.	-229.	546.	3.	66.	2.36	0.03	0.29	62.3	4.34	246.6	0	20.2	1.37 90
GTSOAD	28694	418.	0.	0.	-410.	408.	27.	3.	3.	0.95	0.03	0.04	17.7	1.23	123.6	0	17.5	1.19 135
GTSOAD	28694	749.	0.	0.	-749.	557.	526.	3.	64.	1.27	0.03	0.31	25.9	1.80	107.8	0	19.3	1.31 113
GTRAC8	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.96	0.03	0.03	18.4	1.28	128.0	0	17.7	1.20 133
GTRA08	28694	1170.	0.	0.	-1170.	700.	1005.	3.	122.	1.89	0.03	0.31	47.9	3.33	131.6	0	26.4	1.79 115
GTRA12	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.03	18.3	1.28	127.5	0	17.7	1.20 134
GTRA12	28694	1103.	0.	0.	-1103.	684.	951.	3.	116.	1.87	0.03	0.32	47.4	3.30	137.8	0	25.2	1.71 115
GTRA16	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.97	0.03	0.04	18.5	1.29	128.8	0	17.7	1.20 133
GTRA16	28694	1031.	0.	0.	-1031.	659.	866.	3.	105.	1.85	0.03	0.32	46.9	3.26	145.2	0	24.5	1.66 113
GTR208	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.04	18.2	1.26	126.5	0	17.7	1.20 134
GTR208	28694	899.	0.	0.	-899.	607.	693.	3.	84.	1.57	0.03	0.31	36.8	2.56	129.4	0	22.4	1.52 111
GTR212	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.04	18.3	1.27	127.2	0	17.7	1.20 134
GTR212	28694	936.	0.	0.	-936.	622.	743.	3.	91.	1.64	0.03	0.31	39.4	2.74	133.4	0	22.9	1.55 112
GTR216	28694	419.	0.	0.	-419.	408.	27.	3.	3.	0.96	0.03	0.04	18.3	1.28	127.7	0	17.7	1.20 134
GTR216	28694	944.	0.	0.	-944.	629.	766.	3.	93.	1.71	0.03	0.32	42.0	2.92	141.3	0	23.0	1.56 112
GTRV08	28694	423.	0.	0.	-423.	408.	27.	3.	3.	0.97	0.03	0.03	18.5	1.29	127.7	0	17.8	1.21 133
GTRV08	28694	1394.	0.	0.	-1394.	752.	1178.	3.	143.	1.96	0.03	0.28	49.3	3.43	114.8	0	30.7	2.08 117
GTRV12	28694	422.	0.	0.	-422.	408.	27.	3.	3.	0.96	0.03	0.03	18.5	1.29	128.1	0	17.8	1.20 133
GTRV12	28694	1328.	0.	0.	-1328.	747.	1163.	3.	142.	1.94	0.03	0.30	48.8	3.39	119.0	0	28.6	1.94 117
GTRV16	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.97	0.03	0.03	18.6	1.30	129.2	0	17.8	1.21 133
GTRV16	28694	1221.	0.	0.	-1221.	713.	1049.	3.	128.	1.89	0.03	0.31	47.5	3.31	125.5	0	27.2	1.85 116
GTR308	28694	424.	0.	0.	-424.	408.	27.	3.	3.	0.96	0.03	0.03	18.2	1.27	125.6	0	17.8	1.21 133
GTR308	28694	1179.	0.	0.	-1179.	663.	879.	3.	107.	1.67	0.03	0.24	38.6	2.69	105.6	0	28.3	1.92 112
GTR312	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.96	0.03	0.03	18.3	1.27	127.2	0	17.7	1.20 133
GTR312	28694	1065.	0.	0.	-1065.	662.	877.	3.	107.	1.68	0.03	0.31	40.1	2.79	120.5	0	24.8	1.67 114
GTR316	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.97	0.03	0.03	18.5	1.28	128.3	0	17.7	1.20 133
GTR316	28694	1055.	0.	0.	-1055.	657.	862.	3.	105.	1.71	0.03	0.30	41.1	2.86	124.6	0	24.7	1.68 113
FCPADS	28694	424.	0.	0.	-424.	408.	27.	3.	3.	1.21	0.03	0.03	19.6	1.36	135.1	0	18.2	1.23 132
FCPADS	28694	2000.	0.	0.	-2000.	946.	1829.	3.	223.	23.32	0.03	0.28	131.4	9.14	216.5	0	67.8	4.58 171
FCMCDS	28694	420.	0.	0.	-420.	408.	27.	3.	3.	1.19	0.03	0.04	19.7	1.37	137.2	0	18.1	1.23 132
FCMCDS	28694	1459.	0.	0.	-1459.	832.	1447.	3.	176.	17.56	0.03	0.36	113.4	7.89	252.9	0	49.4	3.35 151

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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	20731	0.	762.	29.	0.	0.	0.	4.	0.	0.98	0.02	0.	22.1	1.00	100.0	0	27.5	1.00	80
PFBSTM	20731	0.	0.	770.	0.	762.	-741.	4.	4.	2.77	0.02	0.03	40.2	1.82	178.3	25	20.8	0.76	114
PFBSTM	20731	0.	0.	860.	0.	808.	-677.	4.	22.	3.72	0.02	0.13	42.3	1.92	168.1	25	19.9	0.73	82
TIHRSO	20731	0.	784.	0.	0.	-22.	29.	4.	4.	1.49	0.02	0.01	34.9	1.58	151.8	0	29.1	1.05	122
TIHRSO	20731	0.	1177.	0.	0.	-305.	399.	4.	49.	3.96	0.02	0.07	138.6	6.28	401.6	0	45.8	1.67	75
TIHRSO	20731	0.	0.	784.	0.	762.	-755.	4.	4.	3.03	0.02	0.01	61.6	2.79	268.1	11	23.6	0.86	106
TIHRSO	20731	0.	0.	1177.	0.	872.	-779.	4.	49.	5.95	0.02	0.07	176.4	7.99	511.1	0	37.2	1.35	65
HEGT00	20731	0.	0.	785.	0.	762.	-756.	A	4.	2.64	0.02	0.01	49.7	2.25	215.9	17	21.9	0.80	108
HEGT00	20731	0.	0.	1434.	0.	934.	-827.	A	4.	4.71	0.02	0.07	108.4	4.91	258.1	4	28.2	1.03	61
FCMCCL	20731	0.	0.	771.	0.	762.	-742.	4.	4.	2.83	0.02	0.02	55.5	2.51	245.8	13	22.7	0.83	109
FCMCCL	20731	0.	0.	1371.	0.	1053.	-368.	4.	122.	7.25	0.02	0.33	124.5	5.64	309.8	8	22.4	0.81	87
GTSOAR	20731	0.	778.	0.	0.	-16.	29.	4.	4.	1.25	0.02	0.02	26.8	1.21	117.5	0	27.8	1.01	128
GTSOAR	20731	0.	1893.	0.	0.	-745.	1321.	4.	161.	2.18	0.02	0.23	63.6	2.88	114.7	0	36.2	1.32	95
GTAC08	20731	0.	771.	0.	0.	-9.	29.	4.	4.	1.24	0.02	0.03	26.3	1.19	116.5	3	27.6	1.00	129
GTAC08	20731	0.	1249.	0.	0.	-254.	811.	4.	99.	1.47	0.02	0.31	38.4	1.74	104.9	14	25.2	0.92	104
GTAC12	20731	0.	770.	0.	0.	-9.	29.	4.	4.	1.23	0.02	0.03	26.3	1.19	116.3	3	27.5	1.00	129
GTAC12	20731	0.	1362.	0.	0.	-311.	1000.	4.	122.	1.66	0.02	0.34	45.5	2.06	114.1	12	25.2	0.92	104
GTAC16	20731	0.	772.	0.	0.	-10.	29.	4.	4.	1.23	0.02	0.02	26.4	1.19	116.5	2	27.6	1.01	129
GTAC16	20731	0.	1542.	0.	0.	-431.	1198.	4.	146.	1.99	0.02	0.33	57.6	2.61	127.5	5	27.6	1.00	101
GTWC16	20731	0.	773.	0.	0.	-11.	29.	4.	4.	1.24	0.02	0.02	26.6	1.21	117.6	0	27.7	1.01	128
GTWC16	20731	0.	1576.	0.	0.	-466.	1195.	4.	146.	1.77	0.02	0.32	48.6	2.20	105.1	5	27.5	1.00	102
GTSOAD	20731	772.	0.	0.	-772.	762.	29.	4.	4.	1.23	0.02	0.02	26.1	1.18	115.4	0	32.9	1.20	134
GTSOAD	20731	1407.	0.	0.	-1407.	1048.	988.	4.	120.	1.61	0.02	0.31	43.3	1.96	105.1	0	36.2	1.32	111
GTRA08	20731	778.	0.	0.	-778.	762.	29.	4.	4.	1.24	0.02	0.01	26.8	1.21	117.5	0	33.2	1.21	132
GTRA08	20731	3161.	0.	0.	-3161.	1564.	2715.	4.	331.	3.58	0.02	0.26	114.8	5.20	123.9	0	70.6	2.57	123
GTRA12	20731	777.	0.	0.	-777.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	117.5	0	33.2	1.21	133
GTRA12	20731	2710.	0.	0.	-2710.	1450.	2334.	4.	204.	3.29	0.02	0.20	104.7	4.74	131.8	0	61.4	2.24	118
GTRA16	20731	776.	0.	0.	-776.	762.	29.	4.	4.	1.24	0.02	0.02	27.0	1.22	118.5	0	33.2	1.21	133
GTRA16	20731	2374.	0.	0.	-2374.	1348.	1994.	4.	243.	2.97	0.02	0.29	93.3	4.23	134.0	0	55.3	2.02	115
GTR208	20731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.6	1.21	117.2	0	33.1	1.21	133
GTR208	20731	1893.	0.	0.	-1893.	1188.	1458.	4.	178.	2.26	0.02	0.28	66.8	3.03	120.5	0	46.5	1.69	110
GTR212	20731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.7	1.21	117.7	0	33.1	1.21	133
GTR212	20731	1983.	0.	0.	-1983.	1223.	1574.	4.	192.	2.41	0.02	0.29	72.4	3.28	124.7	0	47.8	1.74	111
GTR216	20731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	118.0	0	33.1	1.21	133
GTR216	20731	2021.	0.	0.	-2021.	1242.	1639.	4.	200.	2.57	0.02	0.30	78.6	3.56	132.7	0	48.5	1.77	112
GTRW08	20731	780.	0.	0.	-780.	762.	29.	4.	4.	1.24	0.02	0.01	26.9	1.22	117.7	0	33.3	1.21	132
GTRW08	20731	3559.	0.	0.	-3559.	1651.	3006.	4.	366.	3.56	0.02	0.24	112.8	5.11	108.1	0	78.4	2.86	127
GTRW12	20731	778.	0.	0.	-778.	762.	29.	4.	4.	1.24	0.02	0.02	26.9	1.22	118.1	0	33.2	1.21	132
GTRW12	20731	3124.	0.	0.	-3124.	1570.	2736.	4.	333.	3.16	0.02	0.27	97.9	4.44	107.0	0	66.5	2.42	122
GTRW16	20731	777.	0.	0.	-777.	762.	29.	4.	4.	1.24	0.02	0.02	27.1	1.23	119.0	0	33.2	1.21	132
GTRW16	20731	2680.	0.	0.	-2680.	1441.	2302.	4.	280.	2.94	0.02	0.28	91.0	4.12	115.8	0	59.2	2.16	118
GTR308	20731	781.	0.	0.	-781.	762.	29.	4.	4.	1.24	0.02	0.01	26.6	1.20	116.3	0	33.3	1.21	132
GTR308	20731	2651.	0.	0.	-2651.	1344.	1977.	4.	241.	2.56	0.02	0.20	75.8	3.43	97.5	0	63.0	2.32	114

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
GTR312	28731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	117.8	0	33.1	1.21 133	
GTR312	28731	2123.	0.	0.	-2123.	1275.	1747.	4.	213.	2.39	0.02	0.30	70.9	3.21	114.0	0	48.6	1.78 113	
GTR316	28731	776.	0.	0.	-776.	762.	29.	4.	4.	1.24	0.02	0.02	26.9	1.22	118.6	0	33.1	1.21 133	
GTR316	28731	2095.	0.	0.	-2095.	1263.	1709.	4.	208.	2.43	0.02	0.30	72.8	3.30	118.6	0	48.9	1.78 113	
FCPADS	28731	778.	0.	0.	-778.	762.	29.	4.	4.	1.55	0.02	0.02	28.9	1.31	126.8	0	33.7	1.23 131	
FCPADS	28731	3765.	0.	0.	-3765.	1781.	3442.	4.	419.	45.41	0.02	0.28	237.6	10.76	215.4	0	130.9	4.77 174	
FCMCDS	28731	774.	0.	0.	-774.	762.	29.	4.	4.	1.52	0.02	0.02	29.1	1.32	128.1	0	33.6	1.22 132	
FCMCDS	28731	2747.	0.	0.	-2747.	1566.	2723.	4.	332.	33.97	0.02	0.36	204.4	9.26	253.9	0	94.8	3.45 152	

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COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCOGEN	28741	0.	118.	33.	0.	0.	0.	4.	0.	0.32	0.15	0.	3.7	1.00	116.5	0	5.0	1.00	80
STM141	28741	0.	124.	0.	0.	-6.	33.	4.	4.	0.62	0.15	0.18	6.7	1.81	183.4	8	4.9	0.97	138
STM141	28741	0.	136.	0.	0.	-11.	56.	4.	7.	0.49	0.15	0.23	6.6	1.78	165.3	15	4.6	0.91	132
STM141	28741	0.	0.	124.	0.	118.	-91. F	4.	4.	1.11	0.15	0.18	13.7	3.71	376.4	7	4.7	0.93	125
STM141	28741	0.	0.	136.	0.	125.	-79. F	4.	7.	0.88	0.15	0.25	12.4	3.36	312.0	13	4.0	0.79	118
STM141	28741	0.	0.	124.	0.	118.	-91. A	4.	4.	1.03	0.15	0.18	12.3	3.32	336.6	10	4.4	0.88	125
STM141	28741	0.	0.	136.	0.	125.	-79. A	4.	7.	0.78	0.15	0.25	9.9	2.67	247.8	18	3.6	0.71	120
STM008	28741	0.	124.	0.	0.	-6.	33.	4.	4.	0.60	0.15	0.18	6.2	1.69	171.2	10	4.8	0.96	139
STM008	28741	0.	129.	0.	0.	-8.	43.	4.	5.	0.46	0.15	0.21	5.8	1.57	153.1	17	4.6	0.91	132
STM008	28741	0.	0.	124.	0.	118.	-91. F	4.	4.	1.07	0.15	0.18	13.0	3.52	356.9	8	4.6	0.90	125
STM008	28741	0.	0.	129.	0.	121.	-86. F	4.	5.	0.84	0.15	0.21	11.4	3.09	301.5	13	4.0	0.79	117
STM008	28741	0.	0.	124.	0.	118.	-91. A	4.	4.	1.00	0.15	0.18	11.4	3.09	313.4	11	4.3	0.85	125
STM008	28741	0.	0.	129.	0.	121.	-86. A	4.	5.	0.75	0.15	0.21	9.3	2.51	245.1	19	3.7	0.73	119
PFBSTM	28741	0.	0.	125.	0.	110.	-92.	4.	4.	1.17	0.15	0.17	14.8	4.01	405.7	6	4.8	0.96	124
PFBSTM	28741	0.	0.	151.	0.	134.	-65.	4.	10.	1.13	0.15	0.31	15.5	4.20	350.2	10	4.2	0.82	116
TISTMT	28741	0.	125.	0.	0.	-7.	33.	4.	4.	0.85	0.15	0.17	16.2	4.40	444.7	0	6.2	1.23	130
TISTMT	28741	0.	164.	0.	0.	-23.	112.	4.	14.	1.19	0.15	0.35	33.7	9.12	639.8	0	7.8	1.55	126
TISTMT	28741	0.	0.	125.	0.	118.	-92.	4.	4.	1.37	0.15	0.17	24.3	6.58	665.2	0	6.1	1.21	125
TISTMT	28741	0.	0.	164.	0.	142.	-52.	4.	14.	1.68	0.15	0.35	42.8	11.59	889.0	0	7.3	1.45	122
TIHRSG	28741	0.	131.	0.	0.	-13.	33.	4.	4.	0.94	0.15	0.13	23.0	6.21	597.7	0	7.1	1.41	126
TIHRSG	28741	0.	142.	0.	0.	-19.	48.	4.	6.	0.94	0.15	0.17	20.3	7.67	603.4	0	7.7	1.52	119
TIHRSG	28741	0.	0.	131.	0.	118.	-98.	4.	4.	1.46	0.15	0.13	31.7	8.58	825.8	0	7.1	1.40	123
TIHRSG	28741	0.	0.	142.	0.	123.	-94.	4.	6.	1.38	0.15	0.17	36.5	9.88	880.6	0	7.4	1.46	116
STIRL	28741	132.	0.	0.	-132.	118.	33.	4.	4.	0.57	0.15	0.13	6.7	1.82	173.8	0	5.9	1.18	137
STIRL	28741	194.	0.	0.	-194.	144.	119.	4.	15.	0.59	0.15	0.26	10.9	2.96	192.3	0	6.7	1.32	119
STIRL	28741	0.	132.	0.	0.	-14.	33.	4.	4.	0.57	0.15	0.13	6.7	1.82	173.9	4	5.1	1.01	132
STIRL	28741	0.	194.	0.	0.	-50.	119.	4.	15.	0.59	0.15	0.26	11.0	2.96	192.6	0	5.4	1.07	112
STIRL	28741	0.	0.	132.	0.	118.	-99.	4.	4.	1.05	0.15	0.13	13.7	3.71	354.7	7	4.7	0.93	119
STIRL	28741	0.	0.	194.	0.	144.	-75.	4.	15.	1.05	0.15	0.26	18.6	5.03	326.8	8	4.3	0.86	100
HEGT85	28741	0.	0.	144.	0.	118.	-111. A	4.	4.	1.17	0.15	0.05	21.6	5.84	511.6	0	5.9	1.17	110
HEGT85	28741	0.	0.	668.	0.	262.	-152. A	4.	63.	3.40	0.15	0.14	93.6	25.34	478.2	0	13.9	2.77	104
HEGT60	28741	0.	0.	142.	0.	118.	-109. A	4.	4.	1.16	0.15	0.06	20.9	5.67	502.7	1	5.8	1.15	111
HEGT60	28741	0.	0.	304.	0.	165.	-115. A	4.	23.	1.76	0.15	0.14	45.8	12.40	514.6	0	8.3	1.65	87
HEGT00	28741	0.	0.	141.	0.	118.	-108. A	4.	4.	1.13	0.15	0.07	19.9	5.37	480.8	1	5.6	1.12	112
HEGT00	28741	0.	0.	187.	0.	132.	-108. A	4.	10.	1.10	0.15	0.11	25.7	6.95	468.3	1	6.0	1.18	97
FCMCCL	28741	0.	0.	128.	0.	118.	-95.	4.	4.	1.18	0.15	0.15	19.2	5.19	510.7	3	5.4	1.08	122
FCMCCL	28741	0.	0.	194.	0.	151.	-52.	4.	17.	1.56	0.15	0.34	30.4	8.22	533.6	2	5.7	1.14	108
FCSTCL	28741	0.	0.	127.	0.	118.	-94.	4.	4.	1.21	0.15	0.16	18.6	5.03	499.2	3	5.4	1.07	122
FCSTCL	28741	0.	0.	243.	0.	178.	-9.	4.	28.	2.00	0.15	0.41	38.0	10.30	535.3	3	5.8	1.15	105
IGGTST	28741	0.	0.	132.	0.	118.	-99.	4.	4.	1.22	0.15	0.13	18.8	5.10	488.4	2	5.5	1.09	119
IGGTST	28741	0.	0.	226.	0.	158.	-61.	4.	20.	1.34	0.15	0.30	31.2	8.43	470.0	3	5.6	1.12	99
OTSOAR	28741	0.	132.	0.	0.	-14.	33.	4.	4.	0.54	0.15	0.13	6.9	1.88	180.1	4	5.1	1.00	132
OTSOAR	28741	0.	215.	0.	0.	-62.	150.	4.	18.	0.54	0.15	0.29	10.7	2.91	170.6	2	5.2	1.04	109

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COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NCRM COST	\$/KW EQLV	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC08	28741	0.	128.	0.	0.	-10.	33.	4.	4.	0.53	0.15	0.15	6.4	1.73	170.2	9	4.9	0.97 135
GTAC08	28741	0.	179.	0.	0.	-36.	116.	4.	14.	0.46	0.15	0.31	8.3	2.24	157.5	11	4.6	0.92 120
GTAC12	28741	0.	129.	0.	0.	-10.	33.	4.	4.	0.53	0.15	0.15	6.4	1.73	169.9	9	4.9	0.97 135
GTAC12	28741	0.	198.	0.	0.	-46.	145.	4.	18.	0.50	0.15	0.33	9.5	2.58	164.2	9	4.7	0.93 115
GTAC16	28741	0.	129.	0.	0.	-11.	33.	4.	4.	0.53	0.15	0.15	6.5	1.77	173.1	8	4.9	0.98 135
GTAC16	28741	0.	212.	0.	0.	-55.	165.	4.	20.	0.54	0.15	0.34	10.8	2.92	173.7	7	4.8	0.96 112
GTWC16	28741	0.	131.	0.	0.	-13.	33.	4.	4.	0.54	0.15	0.13	6.8	1.85	177.8	5	5.0	1.00 132
GTWC16	28741	0.	227.	0.	0.	-68.	172.	4.	21.	0.55	0.15	0.32	11.2	3.02	167.5	3	5.2	1.03 108
CC1626	28741	0.	131.	0.	0.	-13.	33.	4.	4.	0.61	0.15	0.13	6.9	1.87	180.1	3	5.1	1.02 133
CC1626	28741	0.	310.	0.	0.	-115.	292.	4.	36.	0.81	0.15	0.36	15.7	4.26	173.1	0	5.7	1.13 104
CC1622	28741	0.	130.	0.	0.	-12.	33.	4.	4.	0.60	0.15	0.14	6.7	1.80	175.0	4	5.1	1.00 134
CC1622	28741	0.	283.	0.	0.	-96.	263.	4.	32.	0.77	0.15	0.37	14.8	4.01	178.9	2	5.4	1.07 105
CC1222	28741	0.	130.	0.	0.	-12.	33.	4.	4.	0.60	0.15	0.14	6.5	1.77	171.7	5	5.0	1.00 134
CC1222	28741	0.	280.	0.	0.	-94.	262.	4.	32.	0.76	0.15	0.37	14.1	3.82	171.6	3	5.3	1.04 105
CC0822	28741	0.	128.	0.	0.	-10.	33.	4.	4.	0.61	0.15	0.15	6.7	1.81	178.1	5	5.0	1.00 135
CC0822	28741	0.	237.	0.	0.	-66.	210.	4.	26.	0.69	0.15	0.38	12.2	3.31	175.9	6	4.9	0.97 109
STIG15	28741	0.	144.	0.	0.	-25.	33.	4.	4.	0.58	0.15	0.05	6.9	1.87	164.2	0	5.4	1.08 124
STIG15	28741	0.	7077.	0.	0.	-5031.	6488.	4.	790.	12.38	0.15	0.17	206.7	55.95	99.7	0	94.1	18.67 504
STIG10	28741	0.	140.	0.	0.	-22.	33.	4.	4.	0.56	0.15	0.07	6.7	1.81	162.2	0	5.3	1.05 127
STIG10	28741	0.	694.	0.	0.	-407.	600.	4.	73.	1.40	0.15	0.22	23.9	6.46	117.3	0	11.3	2.24 107
STIG1S	28741	0.	139.	0.	0.	-21.	33.	4.	4.	0.56	0.15	0.08	6.6	1.78	161.8	0	5.2	1.04 128
STIG1S	28741	0.	436.	0.	0.	-223.	352.	4.	43.	1.00	0.15	0.23	16.2	4.39	126.8	0	8.2	1.62 98
DEADV3	28741	0.	136.	0.	0.	-13.	33.	4.	4.	0.62	0.15	0.10	8.8	2.37	220.3	0	5.4	1.08 126
DEADV3	28741	0.	437.	0.	0.	-212.	390.	4.	48.	1.23	0.15	0.29	32.4	8.76	252.7	0	9.3	1.84 104
DEHTPM	28741	0.	129.	0.	0.	-11.	33.	4.	4.	0.65	0.15	0.15	8.9	2.40	235.1	0	5.3	1.05 131
DEHTPM	28741	0.	214.	0.	0.	-55.	171.	4.	21.	0.79	0.15	0.35	16.6	4.50	264.7	0	5.6	1.12 110
DES0A3	28741	138.	0.	0.	-138.	118.	33.	4.	4.	0.60	0.15	0.08	7.8	2.12	193.7	0	6.3	1.25 130
DES0A3	28741	521.	0.	0.	-521.	243.	453.	4.	55.	1.60	0.15	0.25	46.0	12.46	301.4	0	15.5	3.07 128
DES0A3	28741	0.	138.	0.	0.	-20.	33.	4.	4.	0.60	0.15	0.08	7.8	2.12	193.7	0	5.4	1.07 126
DES0A3	28741	0.	521.	0.	0.	-278.	453.	4.	55.	1.60	0.15	0.25	46.0	12.46	301.4	0	12.1	2.40 111
GTS0AD	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.52	0.15	0.14	6.2	1.68	163.9	0	5.7	1.14 139
GTS0AD	28741	199.	0.	0.	-199.	150.	140.	4.	17.	0.48	0.15	0.31	8.6	2.33	147.3	0	6.0	1.19 122
GTRA08	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	7.1	1.93	185.5	0	5.9	1.17 136
GTRA08	28741	269.	0.	0.	-269.	177.	231.	4.	28.	0.65	0.15	0.34	14.5	3.92	183.6	0	7.3	1.44 113
GTRA12	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	7.0	1.91	184.1	0	5.9	1.17 136
GTRA12	28741	262.	0.	0.	-262.	176.	226.	4.	28.	0.65	0.15	0.35	14.5	3.92	188.4	0	7.1	1.41 113
GTRA16	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.55	0.15	0.14	7.2	1.96	189.4	0	5.9	1.17 136
GTRA16	28741	251.	0.	0.	-251.	171.	211.	4.	26.	0.65	0.15	0.34	14.6	3.95	198.4	0	7.1	1.40 113
GTR208	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	6.8	1.84	178.1	0	5.9	1.16 137
GTR208	28741	227.	0.	0.	-227.	160.	175.	4.	21.	0.56	0.15	0.32	11.5	3.10	172.4	0	6.6	1.31 116
GTR212	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	6.9	1.88	181.2	0	5.9	1.17 137
GTR212	28741	236.	0.	0.	-236.	164.	187.	4.	23.	0.59	0.15	0.33	12.4	3.35	179.0	0	6.8	1.34 115
GTR216	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.54	0.15	0.14	7.0	1.90	183.9	0	5.9	1.16 137
GTR216	28741	237.	0.	0.	-237.	166.	192.	4.	23.	0.61	0.15	0.34	13.1	3.54	188.5	0	6.8	1.35 114

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-----FUEL USE IN DTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WPTH ENRG
GTRW08	28741	134.	0.	0.	-134.	118.	33.	4.	4.	0.55	0.15	0.11	7.2	1.95	183.4	0	6.0	1.20 134
GTRW08	28741	327.	0.	0.	-327.	191.	276.	4.	34.	0.71	0.15	0.30	15.9	4.30	166.0	0	8.5	1.69 110
GTRW12	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.2	1.95	184.9	0	6.0	1.19 134
GTRW12	28741	321.	0.	0.	-321.	192.	281.	4.	34.	0.71	0.15	0.32	16.0	4.34	170.6	0	8.2	1.63 111
GTRW16	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.4	1.99	169.3	0	6.0	1.19 134
GTRW16	28741	303.	0.	0.	-303.	186.	261.	4.	32.	0.70	0.15	0.32	15.9	4.31	179.2	0	8.0	1.59 111
GTR308	28741	135.	0.	0.	-135.	118.	33.	4.	4.	0.54	0.15	0.10	6.9	1.86	173.5	0	6.0	1.20 134
GTR308	28741	283.	0.	0.	-283.	171.	211.	4.	26.	0.62	0.15	0.26	12.8	3.48	155.0	0	8.0	1.58 109
GTR312	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.54	0.15	0.12	7.0	1.89	179.9	0	5.9	1.18 135
GTR312	28741	276.	0.	0.	-276.	176.	227.	4.	28.	0.63	0.15	0.32	13.4	3.63	165.5	0	7.5	1.48 112
GTR316	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.2	1.94	184.3	0	6.0	1.19 135
GTR316	28741	274.	0.	0.	-274.	175.	224.	4.	27.	0.64	0.15	0.31	13.9	3.76	172.6	0	7.5	1.49 111
FCPADS	28741	137.	0.	0.	-137.	118.	33.	4.	4.	0.83	0.15	0.09	7.1	1.91	175.8	0	6.4	1.27 134
FCPADS	28741	541.	0.	0.	-541.	256.	495.	4.	60.	6.39	0.15	0.28	36.5	9.88	230.1	0	19.0	3.78 150
FCMCDS	28741	132.	0.	0.	-132.	118.	33.	4.	4.	0.80	0.15	0.12	7.2	1.95	186.1	0	6.2	1.23 136
FCMCDS	28741	395.	0.	0.	-395.	225.	391.	4.	48.	4.80	0.15	0.36	31.1	8.43	269.1	0	14.0	2.78 137

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE										**NOCOGEN - COGEN**									
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH ENRG
ONOCOEN	28951	0.	33.	33.	0.	0.	0.	4.	0.	0.18	0.68	0.	1.4	1.00	202.3	0	2.2	1.00	80
STM141	28951	0.	36.	21.	0.	-2.	12.	4.	1.	0.27	0.68	0.15	2.6	1.83	297.1	8	2.2	0.98	116
STM141	28951	0.	6.	50.	0.	27.	-17. F	4.	1.	0.43	0.68	0.15	4.4	3.13	506.9	6	2.2	0.98	107
STM141	28951	0.	6.	50.	0.	27.	-17. A	4.	1.	0.38	0.68	0.15	4.0	2.84	460.9	9	2.1	0.94	108
STM088	28951	0.	35.	24.	0.	-2.	9.	4.	1.	0.26	0.68	0.11	2.2	1.56	265.6	9	2.2	0.98	113
STM088	28951	0.	7.	52.	0.	26.	-19. F	4.	1.	0.42	0.68	0.11	4.0	2.85	484.1	6	2.2	0.99	102
STM088	28951	0.	7.	52.	0.	26.	-19. A	4.	1.	0.37	0.68	0.11	3.7	2.65	451.5	8	2.1	0.95	102
PFBSTM	20951	0.	4.	47.	0.	29.	-14.	4.	2.	0.48	0.68	0.22	5.9	4.21	613.4	5	2.2	0.99	117
TISTMT	28951	0.	38.	9.	0.	-5.	24.	4.	3.	0.49	0.68	0.29	11.0	7.89	1055.5	0	3.0	1.37	131
TISTMT	20951	0.	3.	44.	0.	31.	-12.	4.	3.	0.69	0.68	0.29	14.0	10.03	1342.7	0	3.1	1.41	130
TIHRS0	28951	0.	37.	23.	0.	-3.	10.	4.	1.	0.36	0.68	0.10	9.1	6.51	1032.4	0	3.0	1.36	101
TIHRS0	28951	0.	7.	53.	0.	27.	-20.	4.	1.	0.53	0.68	0.10	11.7	8.41	1333.1	0	3.1	1.42	101
STIRL	28951	43.	1.	5.	-43.	32.	28.	4.	3.	0.25	0.68	0.25	2.7	1.92	211.2	3	2.2	1.01	135
STIRL	20951	0.	45.	5.	0.	-11.	28.	4.	3.	0.25	0.68	0.25	2.7	1.92	211.4	17	2.0	0.89	132
STIRL	20951	0.	1.	48.	0.	32.	-15.	4.	3.	0.42	0.68	0.25	5.0	3.55	390.2	12	1.9	0.84	121
HEGT05	28951	0.	0.	55.	0.	33.	-23. A	4.	4.	0.79	0.68	0.16	15.5	11.13	956.9	0	3.4	1.53	129
HEGT05	28951	0.	0.	94.	0.	45.	-21. A	4.	9.	0.89	0.68	0.20	23.2	16.70	849.9	0	4.1	1.85	122
HEGT60	28951	0.	0.	55.	0.	33.	-22. A	4.	4.	0.68	0.68	0.17	14.0	10.05	875.4	0	3.1	1.40	127
HEGT60	28951	0.	0.	57.	0.	34.	-22. A	4.	4.	0.59	0.68	0.18	14.2	10.19	843.8	0	3.0	1.36	116
HEGT00	28951	0.	5.	56.	0.	29.	-23. A	4.	2.	0.41	0.68	0.09	8.6	6.16	741.1	0	2.6	1.17	100
FCMCL	28951	0.	1.	44.	0.	33.	-11.	4.	4.	0.56	0.68	0.32	10.3	7.42	838.2	2	2.5	1.12	130
FCSTCL	28951	0.	0.	42.	0.	33.	-10.	4.	4.	0.79	0.68	0.36	11.3	8.12	911.1	0	2.8	1.24	148
FCSTCL	28951	0.	0.	52.	0.	39.	-2.	4.	6.	0.74	0.68	0.41	12.9	9.25	838.9	1	2.7	1.20	139
IGGTST	28951	0.	0.	47.	0.	33.	-14.	4.	4.	0.73	0.68	0.29	11.4	8.18	827.7	0	2.8	1.26	139
IGGTST	28951	0.	0.	49.	0.	34.	-13.	4.	4.	0.64	0.68	0.30	11.3	8.14	791.5	1	2.7	1.20	128
OTSOAR	28951	0.	46.	1.	0.	-12.	31.	4.	4.	0.24	0.68	0.29	3.6	2.57	270.9	12	2.0	0.89	133
GTAC08	28951	0.	41.	7.	0.	-0.	25.	4.	3.	0.21	0.68	0.26	2.7	1.97	240.1	19	1.9	0.86	133
GTAC12	28951	0.	43.	1.	0.	-10.	31.	4.	4.	0.23	0.68	0.33	3.0	2.18	242.5	19	1.8	0.83	138
GTAC16	28951	0.	44.	0.	0.	-10.	33.	4.	4.	0.30	0.68	0.34	3.4	2.47	268.3	14	1.9	0.87	150
GTAC16	28951	0.	45.	0.	0.	-11.	35.	4.	4.	0.24	0.68	0.35	3.4	2.42	254.4	17	1.8	0.83	139
GTWC16	28951	0.	46.	0.	0.	-13.	33.	4.	4.	0.32	0.68	0.30	3.8	2.73	281.0	10	2.1	0.93	145
GTWC16	28951	0.	50.	0.	0.	-15.	38.	4.	5.	0.25	0.68	0.31	3.8	2.72	261.5	12	2.0	0.89	135
CC1626	28951	0.	46.	0.	0.	-13.	33.	4.	4.	0.43	0.68	0.30	4.2	3.03	312.0	5	2.2	1.00	145
CC1626	28951	0.	67.	0.	0.	-25.	63.	4.	8.	0.40	0.68	0.36	5.3	3.82	270.8	5	2.2	1.01	134
CC1622	28951	0.	45.	0.	0.	-12.	33.	4.	4.	0.42	0.68	0.32	4.0	2.84	297.9	7	2.2	0.97	147
CC1622	28951	0.	61.	0.	0.	-21.	57.	4.	7.	0.37	0.68	0.37	4.7	3.39	263.7	7	2.1	0.95	137
CC1222	28951	0.	45.	0.	0.	-12.	33.	4.	4.	0.42	0.68	0.32	3.8	2.74	286.5	7	2.1	0.96	148
CC1222	28951	0.	61.	0.	0.	-20.	56.	4.	7.	0.37	0.68	0.37	4.5	3.23	253.8	8	2.1	0.94	137
CC0822	28951	0.	44.	0.	0.	-10.	33.	4.	4.	0.41	0.68	0.34	3.9	2.78	303.6	9	2.1	0.94	150
CC0822	28951	0.	51.	0.	0.	-14.	45.	4.	6.	0.35	0.68	0.38	4.1	2.95	274.3	10	2.0	0.90	140
STIG15	28951	0.	59.	0.	0.	-25.	33.	4.	4.	0.43	0.68	0.11	4.5	3.19	258.3	0	2.6	1.17	125
STIG15	20951	0.	1538.	0.	0.	-1094.	1410.	4.	172.	3.19	0.68	0.17	51.1	36.63	113.3	0	22.2	10.01	288
STIG10	28951	0.	56.	0.	0.	-22.	33.	4.	4.	0.40	0.68	0.16	4.1	2.96	253.3	0	2.4	1.10	130

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*****FUEL USE IN BTU*10**6*****																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	G&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
STI010	28951	0.	151.	0.	0.	-88.	130.	4.	16.	0.52	0.60	0.22	7.8	5.61	176.9	0	3.5	1.58 109
STI01S	28951	0.	54.	0.	0.	-21.	32.	4.	4.	0.39	0.68	0.18	4.0	2.84	249.8	0	2.4	1.07 133
STI01S	28951	0.	95.	0.	0.	-48.	77.	4.	9.	0.39	0.68	0.23	5.4	3.88	194.6	0	2.7	1.23 119
DEADV3	28951	0.	50.	0.	0.	-17.	33.	4.	4.	0.43	0.60	0.24	5.7	4.07	305.5	0	2.5	1.12 137
DFADV3	28951	0.	86.	0.	0.	-39.	76.	4.	9.	0.43	0.68	0.30	7.9	5.66	314.6	0	2.8	1.24 125
DEHTPM	28951	0.	43.	0.	0.	-9.	33.	4.	4.	0.42	0.60	0.36	5.3	3.81	425.5	5	2.2	0.99 149
DEHTPM	28951	0.	46.	0.	0.	-11.	39.	4.	5.	0.35	0.68	0.38	5.4	3.89	401.6	7	2.1	0.95 139
DES0A3	28951	52.	0.	0.	-52.	33.	33.	4.	4.	0.41	0.60	0.21	4.8	3.42	310.5	0	2.8	1.25 138
DES0A3	28951	100.	0.	0.	-100.	50.	87.	4.	11.	0.48	0.68	0.27	9.3	6.70	318.3	0	3.0	1.71 127
DES0A3	28951	0.	52.	0.	0.	-19.	33.	4.	4.	0.41	0.68	0.21	4.8	3.42	310.5	0	2.4	1.09 134
DES0A3	28951	0.	100.	0.	0.	-51.	87.	4.	11.	0.48	0.68	0.27	9.3	6.70	318.3	0	3.1	1.42 120
QTS0AD	28951	43.	1.	3.	-43.	32.	30.	4.	4.	0.22	0.68	0.30	2.8	2.01	224.6	9	2.1	0.96 140
GTRA00	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.31	4.3	3.07	321.5	0	2.4	1.03 148
GTRA00	28951	55.	0.	0.	-55.	38.	47.	4.	6.	0.28	0.68	0.35	4.7	3.37	290.6	0	2.4	1.08 140
GTRA12	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.32	4.2	3.01	317.2	0	2.4	1.07 149
GTRA12	28951	54.	0.	0.	-54.	38.	47.	4.	6.	0.28	0.68	0.36	4.6	3.30	288.9	0	2.4	1.07 140
GTRA16	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.32	4.4	3.12	329.6	0	2.4	1.08 149
GTRA16	28951	52.	0.	0.	-52.	37.	44.	4.	5.	0.28	0.68	0.35	4.7	3.35	304.3	0	2.4	1.07 140
GTR208	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.32	0.68	0.32	3.8	2.71	285.5	1	2.3	1.04 150
GTR208	28951	48.	0.	0.	-48.	35.	37.	4.	4.	0.25	0.68	0.33	3.8	2.69	267.5	4	2.2	1.01 140
GTR212	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.33	0.68	0.31	4.0	2.85	299.2	0	2.3	1.06 149
GTR212	28951	50.	0.	0.	-50.	35.	40.	4.	5.	0.26	0.68	0.33	4.0	2.90	276.8	2	2.3	1.03 140
GTR216	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.33	0.68	0.32	4.1	2.92	309.5	0	2.3	1.06 150
GTR216	28951	50.	0.	0.	-50.	36.	40.	4.	5.	0.26	0.68	0.34	4.2	3.01	286.8	2	2.3	1.04 140
GTRW08	28951	49.	0.	0.	-49.	33.	33.	4.	4.	0.37	0.68	0.26	4.5	3.19	311.1	0	2.6	1.15 143
GTRW08	28951	67.	0.	0.	-67.	41.	57.	4.	7.	0.31	0.68	0.31	5.3	3.83	269.9	0	2.7	1.22 134
GTRW12	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.36	0.68	0.20	4.5	3.19	317.9	0	2.5	1.14 145
GTRW12	28951	67.	0.	0.	-67.	41.	58.	4.	7.	0.31	0.68	0.33	5.4	3.88	276.3	0	2.7	1.20 136
GTRW16	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.37	0.68	0.28	4.6	3.29	328.6	0	2.5	1.14 145
GTRW16	28951	64.	0.	0.	-64.	40.	55.	4.	7.	0.31	0.68	0.33	5.4	3.88	290.3	0	2.6	1.19 136
GTR308	28951	50.	0.	0.	-50.	33.	33.	4.	4.	0.34	0.68	0.25	4.0	2.86	274.1	0	2.5	1.13 143
GTR308	28951	58.	0.	0.	-58.	36.	43.	4.	5.	0.27	0.68	0.27	4.2	3.00	246.2	0	2.5	1.14 133
GTR312	28951	47.	0.	0.	-47.	33.	33.	4.	4.	0.35	0.68	0.28	4.1	2.97	298.3	0	2.5	1.11 146
GTR312	28951	59.	0.	0.	-59.	38.	48.	4.	6.	0.20	0.68	0.32	4.6	3.26	264.5	0	2.5	1.12 137
GTR316	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.35	0.68	0.28	4.3	3.10	309.8	0	2.5	1.12 145
GTR316	28951	58.	0.	0.	-58.	38.	48.	4.	6.	0.29	0.68	0.32	4.7	3.40	277.0	0	2.5	1.13 136
FCPADS	28951	52.	0.	0.	-52.	33.	33.	4.	4.	0.65	0.68	0.21	4.0	2.90	264.1	0	2.9	1.32 142
FCPADS	28951	118.	0.	0.	-118.	56.	108.	4.	13.	1.47	0.68	0.28	8.6	6.15	249.0	0	4.9	2.19 137
FCMCDS	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.62	0.68	0.28	4.2	2.98	298.3	0	2.7	1.23 149
FCMCDS	28951	86.	0.	0.	-86.	49.	85.	4.	10.	1.12	0.68	0.36	7.3	5.21	289.0	0	3.7	1.69 141

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-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&H	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW	ROI	LEVL
								MW	MW		RATIO		*10**6		EQVL	(%)	CHRG
																	ENRG
ONOCGN	29111	0.	476.	115.	0.	0.	0.	14.	0.	0.71	0.13	0.	13.9	1.00	107.2	0	21.0
STM141	29111	0.	497.	0.	0.	-22.	115.	14.	14.	1.05	0.13	0.16	15.1	1.09	103.7	76	18.5
STM141	29111	0.	512.	0.	0.	-27.	144.	14.	18.	0.88	0.13	0.19	15.9	1.15	106.1	61	18.2
STM141	29111	0.	0.	497.	0.	476.	-382.	F	14.	2.21	0.13	0.16	33.4	2.41	229.2	22	15.0
STM141	29111	0.	0.	512.	0.	484.	-367.	F	14.	1.83	0.13	0.19	29.8	2.15	198.9	29	13.8
STM141	29111	0.	0.	497.	0.	476.	-382.	A	14.	2.05	0.13	0.16	26.3	1.90	180.2	33	14.1
STM141	29111	0.	0.	512.	0.	484.	-367.	A	14.	1.66	0.13	0.19	21.1	1.52	140.8	57	12.7
STM008	29111	0.	494.	19.	0.	-18.	96.	14.	12.	0.33	0.13	0.13	14.1	1.02	98.6	179	18.7
STM008	29111	0.	6.	507.	0.	470.	-392.	F	14.	1.72	0.13	0.13	27.5	1.99	192.4	29	14.5
STM008	29111	0.	6.	507.	0.	470.	-392.	A	14.	1.60	0.13	0.13	19.9	1.44	139.2	60	13.6
PFBSTM	29111	0.	0.	500.	0.	476.	-385.	14.	14.	2.64	0.13	0.15	35.9	2.59	244.7	19	15.8
PFBSTM	29111	0.	0.	573.	0.	518.	-316.	14.	31.	2.89	0.13	0.26	35.9	2.59	213.9	22	13.9
TISTMT	29111	0.	499.	0.	0.	-24.	115.	14.	14.	1.80	0.13	0.15	44.4	3.20	303.6	0	22.5
TISTMT	29111	0.	619.	0.	0.	-72.	353.	14.	43.	2.77	0.13	0.31	89.1	6.43	490.9	0	28.3
TISTMT	29111	0.	0.	499.	0.	476.	-384.	14.	14.	3.03	0.13	0.15	65.6	4.74	448.7	7	19.4
TISTMT	29111	0.	0.	619.	0.	547.	-266.	14.	43.	3.99	0.13	0.31	112.8	8.14	622.1	4	21.8
TIHRSG	29111	0.	539.	0.	0.	-63.	115.	14.	14.	2.07	0.13	0.09	58.8	4.24	372.5	0	25.4
TIHRSG	29111	0.	619.	0.	0.	-115.	209.	14.	26.	2.52	0.13	0.13	85.2	6.15	469.9	0	28.9
TIHRSG	29111	0.	0.	539.	0.	476.	-424.	14.	14.	3.39	0.13	0.09	82.4	5.35	521.9	3	22.3
TIHRSG	29111	0.	0.	619.	0.	504.	-409.	14.	26.	3.77	0.13	0.13	109.0	7.87	601.1	1	24.7
STIRL	29111	528.	0.	0.	-528.	476.	115.	14.	14.	1.20	0.13	0.11	22.1	1.59	142.7	0	24.1
STIRL	29111	744.	0.	0.	-744.	561.	402.	14.	49.	1.49	0.13	0.23	39.3	2.83	180.1	0	27.6
STIRL	29111	0.	528.	0.	0.	-52.	115.	14.	14.	1.20	0.13	0.11	22.1	1.59	142.8	10	20.4
STIRL	29111	0.	744.	0.	0.	-183.	402.	14.	49.	1.49	0.13	0.23	39.3	2.84	180.3	0	22.3
STIRL	29111	0.	0.	528.	0.	476.	-413.	14.	14.	2.39	0.13	0.11	41.3	2.98	267.0	15	16.5
STIRL	29111	0.	0.	744.	0.	561.	-342.	14.	49.	2.99	0.13	0.23	69.4	5.01	318.3	10	17.0
HEGT00	29111	0.	0.	508.	0.	476.	-473.	A	14.	2.61	0.13	0.00	52.3	3.77	303.5	8	19.1
HEGT00	29111	0.	0.	2144.	0.	840.	-808.	A	14.	7.44	0.13	0.01	182.0	13.13	209.6	0	36.7
HEGT00	29111	0.	0.	564.	0.	476.	-449.	A	14.	2.55	0.13	0.05	49.6	3.58	300.4	10	18.3
HEGT00	29111	0.	0.	804.	0.	543.	-463.	A	14.	3.10	0.13	0.09	72.0	5.19	305.5	6	20.2
FCMCCL	29111	0.	0.	511.	0.	476.	-396.	14.	14.	2.72	0.13	0.13	48.4	3.50	323.3	11	17.5
FCMCCL	29111	0.	0.	797.	0.	615.	-214.	14.	71.	4.75	0.13	0.34	83.8	6.05	358.9	8	17.2
FCSTCL	29111	0.	0.	500.	0.	476.	-393.	14.	14.	2.72	0.13	0.14	47.4	3.42	318.3	12	17.4
FCSTCL	29111	0.	0.	915.	0.	684.	-102.	14.	99.	5.57	0.13	0.39	97.4	7.03	363.3	9	16.1
ICGTST	29111	0.	0.	527.	0.	476.	-412.	14.	14.	2.46	0.13	0.11	46.5	3.35	301.2	12	17.3
ICGTST	29111	0.	0.	852.	0.	607.	-299.	14.	67.	2.71	0.13	0.27	74.9	5.40	299.8	10	16.0
GTU0AR	29111	0.	530.	0.	0.	-55.	115.	14.	14.	1.13	0.13	0.10	21.9	1.58	140.6	10	20.3
GTU0AR	29111	0.	963.	0.	0.	-321.	672.	14.	82.	1.32	0.13	0.27	34.3	2.48	121.7	0	21.9
GTAC08	29111	0.	511.	0.	0.	-35.	115.	14.	14.	1.03	0.13	0.14	17.7	1.28	118.3	30	19.2
GTAC08	29111	0.	727.	0.	0.	-145.	472.	14.	56.	1.01	0.13	0.31	23.5	1.69	110.3	24	17.8
GTAC12	29111	0.	512.	0.	0.	-37.	115.	14.	14.	1.10	0.13	0.13	20.9	1.50	138.8	17	19.6
GTAC12	29111	0.	810.	0.	0.	-191.	594.	14.	72.	1.14	0.13	0.33	28.2	2.04	118.9	17	18.1
GTAC16	29111	0.	516.	0.	0.	-40.	115.	14.	14.	1.11	0.13	0.13	21.3	1.54	141.0	15	19.8

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**								POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER		/HEAT		COST	COST	EQVL	(%)	CHRG	ENRG	
								MW	MW		RATIO		*10**6						
GTAC16	29111	0.	888.	0.	0.	-241.	691.	14.	84.	1.27	0.13	0.34	32.8	2.37	126.1	12	18.9	0.90	109
GTWC16	29111	0.	520.	0.	0.	-45.	115.	14.	14.	1.12	0.13	0.12	21.5	1.55	141.1	13	20.0	0.95	133
GTWC16	29111	0.	925.	0.	0.	-274.	701.	14.	85.	1.23	0.13	0.32	30.8	2.22	113.7	11	19.5	0.93	108
CC1626	29111	0.	522.	0.	0.	-47.	115.	14.	14.	1.21	0.13	0.12	21.6	1.56	141.2	11	20.2	0.96	133
CC1626	29111	0.	1168.	0.	0.	-419.	1031.	14.	126.	1.69	0.13	0.34	41.8	3.01	122.0	5	20.9	1.00	103
CC1622	29111	0.	519.	0.	0.	-43.	115.	14.	14.	1.20	0.13	0.12	21.4	1.54	140.5	12	20.0	0.96	134
CC1622	29111	0.	1066.	0.	0.	-349.	925.	14.	113.	1.60	0.13	0.35	39.9	2.88	127.6	3	19.9	0.95	104
CC1222	29111	0.	518.	0.	0.	-43.	115.	14.	14.	1.20	0.13	0.12	21.0	1.52	138.3	13	20.0	0.95	134
CC1222	29111	0.	1057.	0.	0.	-341.	919.	14.	112.	1.57	0.13	0.35	37.7	2.72	121.8	9	19.5	0.93	105
CC0822	29111	0.	513.	0.	0.	-37.	115.	14.	14.	1.20	0.13	0.13	21.1	1.52	140.1	14	19.8	0.95	135
CC0822	29111	0.	893.	0.	0.	-235.	724.	14.	88.	1.37	0.13	0.35	31.0	2.24	118.5	15	18.2	0.87	110
DEHTPH	29111	0.	525.	0.	0.	-50.	115.	14.	14.	1.37	0.13	0.11	27.5	1.99	179.2	4	21.0	1.00	129
DEHTPH	29111	0.	872.	0.	0.	-255.	591.	14.	72.	2.26	0.13	0.28	65.5	4.73	256.4	0	25.3	1.21	103
GTSCAD	29111	517.	0.	0.	-517.	476.	115.	14.	14.	1.09	0.13	0.12	20.2	1.46	133.5	0	23.4	1.12	139
GTSCAD	29111	826.	0.	0.	-826.	615.	581.	14.	71.	1.06	0.13	0.31	25.0	1.80	103.2	0	24.5	1.17	121
GTRA08	29111	530.	0.	0.	-530.	476.	115.	14.	14.	1.14	0.13	0.10	22.3	1.61	143.9	0	24.2	1.16	136
GTRA08	29111	1316.	0.	0.	-1316.	779.	1130.	14.	138.	1.87	0.13	0.31	54.2	3.91	140.7	0	34.0	1.62	110
GTRA12	29111	527.	0.	0.	-527.	476.	115.	14.	14.	1.14	0.13	0.11	22.4	1.61	144.8	0	24.1	1.15	136
GTRA12	29111	1235.	0.	0.	-1235.	759.	1064.	14.	130.	1.72	0.13	0.32	48.7	3.51	134.4	0	31.7	1.51	110
GTRA16	29111	526.	0.	0.	-526.	476.	115.	14.	14.	1.15	0.13	0.11	22.8	1.65	148.2	0	24.1	1.15	136
GTRA16	29111	1151.	0.	0.	-1151.	730.	956.	14.	110.	1.69	0.13	0.32	48.0	3.46	142.2	0	30.7	1.47	110
GTR208	29111	525.	0.	0.	-525.	476.	115.	14.	14.	1.12	0.13	0.11	21.7	1.56	140.9	0	23.3	1.14	137
GTR208	29111	999.	0.	0.	-999.	671.	769.	14.	94.	1.39	0.13	0.31	36.9	2.66	125.9	0	28.2	1.35	112
GTR212	29111	525.	0.	0.	-525.	476.	115.	14.	14.	1.13	0.13	0.11	22.0	1.59	143.0	0	23.9	1.14	137
GTR212	29111	1040.	0.	0.	-1040.	688.	826.	14.	101.	1.47	0.13	0.31	39.7	2.86	130.1	0	28.8	1.37	111
GTR216	29111	523.	0.	0.	-523.	476.	115.	14.	14.	1.14	0.13	0.11	22.3	1.61	145.4	0	23.9	1.14	137
GTR216	29111	1050.	0.	0.	-1050.	695.	851.	14.	104.	1.54	0.13	0.32	42.6	3.07	138.5	0	28.9	1.38	111
GTRV08	29111	539.	0.	0.	-539.	476.	115.	14.	14.	1.14	0.13	0.09	22.4	1.61	141.7	0	24.6	1.17	134
GTRV08	29111	1564.	0.	0.	-1564.	836.	1321.	14.	161.	1.96	0.13	0.27	57.2	4.13	124.9	0	39.4	1.88	110
GTRV12	29111	533.	0.	0.	-533.	476.	115.	14.	14.	1.14	0.13	0.10	22.4	1.61	143.1	0	24.3	1.16	135
GTRV12	29111	1484.	0.	0.	-1484.	829.	1299.	14.	158.	1.79	0.13	0.30	49.9	3.60	114.7	0	35.3	1.71	111
GTRV16	29111	532.	0.	0.	-532.	476.	115.	14.	14.	1.15	0.13	0.10	22.7	1.64	145.8	0	24.3	1.16	135
GTRV16	29111	1360.	0.	0.	-1360.	790.	1168.	14.	142.	1.73	0.13	0.31	48.4	3.49	121.4	0	34.0	1.62	110
GTR308	29111	544.	0.	0.	-544.	476.	115.	14.	14.	1.13	0.13	0.08	21.8	1.57	136.7	0	24.7	1.18	134
GTR308	29111	1316.	0.	0.	-1316.	734.	901.	14.	120.	1.49	0.13	0.23	39.0	2.81	101.1	0	35.6	1.70	100
GTR312	29111	529.	0.	0.	-529.	476.	115.	14.	14.	1.13	0.13	0.10	21.9	1.58	141.0	0	24.1	1.15	136
GTR312	29111	1180.	0.	0.	-1180.	731.	971.	14.	118.	1.50	0.13	0.31	40.3	2.91	116.5	0	30.8	1.47	111
GTR316	29111	529.	0.	0.	-529.	476.	115.	14.	14.	1.14	0.13	0.10	22.2	1.60	143.4	0	24.1	1.15	136
GTR316	29111	1169.	0.	0.	-1169.	726.	954.	14.	116.	1.53	0.13	0.30	41.4	2.98	120.7	0	30.9	1.47	110
FCPADS	29111	542.	0.	0.	-542.	476.	115.	14.	14.	2.45	0.13	0.00	24.7	1.78	155.8	0	26.2	1.25	133
FCPADS	29111	2206.	0.	0.	-2206.	1044.	2017.	14.	246.	27.73	0.13	0.28	141.3	10.20	218.6	0	81.9	3.91	153
FCICDS	29111	525.	0.	0.	-525.	476.	115.	14.	14.	2.35	0.13	0.11	25.2	1.82	164.0	0	25.5	1.22	136
FCMCDS	29111	1609.	0.	0.	-1609.	918.	1596.	14.	194.	20.74	0.13	0.36	121.2	8.75	257.0	0	59.9	2.66	130

DATE 06/08/71
CASE-PEG-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	OGM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (2)	LEVL CHRG	NORM WRTH ENRG
ONOCGN	29112	0.	1696.	427.	0.	0.	0.	52.	0.	1.57	0.13	0.	41.1	1.00	89.5	0	73.4	1.00 30
STM141	29112	0.	1777.	0.	0.	-81.	427.	52.	52.	2.09	0.13	0.16	44.9	1.09	88.2	100	63.6	0.87 145
STM141	29112	0.	1811.	0.	0.	-94.	496.	52.	60.	1.80	0.13	0.18	44.0	1.07	83.0	131	62.6	0.85 136
STM141	29112	0.	0.	1777.	0.	1696.	-1350.	52.	52.	4.99	0.13	0.16	90.4	2.20	173.6	32	47.6	0.65 124
STM141	29112	0.	0.	1811.	0.	1716.	-1315.	52.	60.	4.69	0.13	0.18	93.8	2.28	176.7	31	46.6	0.64 115
STM141	29112	0.	0.	1777.	0.	1696.	-1350.	52.	52.	4.87	0.13	0.16	72.0	1.75	138.4	48	45.5	0.62 128
STM141	29112	0.	0.	1811.	0.	1716.	-1315.	52.	60.	4.50	0.13	0.18	69.6	1.69	131.2	54	43.8	0.60 119
STM088	29112	0.	1750.	101.	0.	-62.	326.	52.	40.	1.69	0.13	0.12	39.8	0.97	78.7	999	65.2	0.89 132
STM088	29112	0.	30.	1829.	0.	1666.	-1402.	52.	40.	4.36	0.13	0.12	87.7	2.13	173.3	31	50.0	0.58 109
STM088	29112	0.	30.	1829.	0.	1666.	-1402.	52.	40.	4.20	0.13	0.12	61.3	1.49	121.0	64	46.9	0.64 116
PFBSTM	29112	0.	0.	1789.	0.	1696.	-1361.	52.	52.	6.57	0.13	0.16	91.5	2.23	174.7	30	49.5	0.67 124
PFBSTM	29112	0.	0.	2030.	0.	1836.	-1132.	52.	109.	7.86	0.13	0.26	84.8	2.06	142.5	39	43.0	0.59 119
TISTMT	29112	0.	1783.	0.	0.	-87.	427.	52.	52.	4.21	0.13	0.16	126.0	3.06	241.1	4	74.7	1.02 128
TISTMT	29112	0.	2190.	0.	0.	-253.	1235.	52.	150.	6.71	0.13	0.31	234.2	5.70	364.9	0	81.9	1.12 117
TISTMT	29112	0.	0.	1783.	0.	1696.	-1356.	52.	52.	7.18	0.13	0.16	177.6	4.32	339.8	12	59.4	0.81 118
TISTMT	29112	0.	0.	2190.	0.	1937.	-955.	52.	150.	9.91	0.13	0.31	294.5	7.16	450.9	8	62.4	0.85 109
TIHRSG	29112	0.	1930.	0.	0.	-234.	427.	52.	52.	4.95	0.13	0.09	160.8	3.91	284.4	0	83.4	1.14 119
TIHRSG	29112	0.	2200.	0.	0.	-409.	745.	52.	91.	6.28	0.13	0.13	226.2	5.50	351.0	0	92.4	1.26 109
TIHRSG	29112	0.	0.	1930.	0.	1696.	-1503.	52.	52.	8.09	0.13	0.09	213.4	5.19	377.4	8	66.9	0.91 110
TIHRSG	29112	0.	0.	2200.	0.	1791.	-1455.	52.	91.	9.61	0.13	0.13	286.8	6.98	444.9	5	73.5	1.00 100
STIRL	29112	1890.	0.	0.	-1830.	1696.	427.	52.	52.	2.92	0.13	0.11	76.7	1.87	138.6	0	84.8	1.16 133
STIRL	29112	2644.	0.	0.	-2644.	1995.	1429.	52.	174.	4.15	0.13	0.23	133.8	3.26	172.7	0	96.9	1.32 115
STIRL	29112	0.	1890.	0.	0.	-194.	427.	52.	52.	2.92	0.13	0.11	76.8	1.87	138.7	9	71.3	0.97 129
STIRL	29112	0.	2644.	0.	0.	-649.	1429.	52.	174.	4.15	0.13	0.23	134.0	3.26	173.0	0	77.9	1.06 109
STIRL	29112	0.	0.	1890.	0.	1696.	-1463.	52.	52.	6.06	0.13	0.11	130.0	3.16	234.8	18	54.8	0.75 114
STIRL	29112	0.	0.	2644.	0.	1995.	-1215.	52.	174.	0.92	0.13	0.23	239.3	5.82	308.7	10	50.4	0.60 95
HEGT60	29112	0.	0.	2112.	0.	1696.	-1685.	52.	52.	6.64	0.13	0.00	147.7	3.59	238.7	12	61.7	0.84 102
HEGT60	29112	0.	0.	7623.	0.	2937.	-2872.	52.	579.	22.61	0.13	0.01	545.7	13.27	244.3	0	116.1	1.58 61
HEGT00	29112	0.	0.	2023.	0.	1696.	-1596.	52.	52.	6.25	0.13	0.05	130.7	3.18	220.4	15	57.0	0.79 107
HEGT00	29112	0.	0.	2057.	0.	1930.	-1647.	52.	147.	8.12	0.13	0.09	176.8	4.30	211.2	11	60.0	0.83 86
FCMCCL	29112	0.	0.	1829.	0.	1696.	-1402.	52.	52.	6.95	0.13	0.14	131.1	3.19	244.7	16	55.3	0.75 118
FCMCCL	29112	0.	0.	2032.	0.	2187.	-760.	52.	252.	13.65	0.13	0.34	212.3	5.16	255.8	14	49.1	0.67 97
FCSTCL	29112	0.	0.	1817.	0.	1696.	-1390.	52.	52.	6.79	0.13	0.14	129.9	3.13	242.0	17	54.7	0.74 119
FCSTCL	29112	0.	0.	3230.	0.	2423.	-376.	52.	349.	15.82	0.13	0.39	245.9	5.98	259.1	14	43.0	0.59 93
IGGTST	29112	0.	0.	1886.	0.	1696.	-1459.	52.	52.	5.43	0.13	0.11	121.7	2.96	220.3	19	53.8	0.73 115
IGGTST	29112	0.	0.	3015.	0.	2149.	-1071.	52.	237.	6.38	0.13	0.26	206.4	5.02	233.6	14	47.7	0.65 89
GTSDAR	29112	0.	1900.	0.	0.	-204.	427.	52.	52.	2.36	0.13	0.11	58.3	1.42	104.7	20	69.1	0.84 133
GTSDAR	29112	0.	3422.	0.	0.	-1141.	2388.	52.	291.	3.50	0.13	0.27	110.6	2.69	110.3	1	75.9	1.03 103
GTAC08	29112	0.	1827.	0.	0.	-131.	427.	52.	52.	2.28	0.13	0.14	55.1	1.34	103.0	32	66.3	0.90 138
GTAC08	29112	0.	2584.	0.	0.	-514.	1679.	52.	204.	2.57	0.13	0.31	76.3	1.86	100.8	23	62.1	0.85 119
GTAC12	29112	0.	1833.	0.	0.	-137.	427.	52.	52.	2.31	0.13	0.14	56.6	1.38	105.4	29	66.7	0.91 137
GTAC12	29112	0.	2879.	0.	0.	-679.	2113.	52.	257.	2.99	0.13	0.33	92.2	2.24	109.3	17	62.9	0.86 112
GTAC16	29112	0.	1845.	0.	0.	-149.	427.	52.	52.	2.34	0.13	0.13	58.1	1.41	107.4	25	67.3	0.92 136

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GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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*****FUEL USE IN BTU*10**6*****																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
GTAC16	29112	0.	3158.	0.	0.	-857.	2455.	52.	299.	3.49	0.13	0.34	111.3	2.71	120.3	12	65.9	0.90 107
GTWC16	29112	0.	1863.	0.	0.	-167.	427.	52.	52.	2.32	0.13	0.12	57.1	1.39	104.6	25	67.7	0.92 136
GTWC16	29112	0.	3287.	0.	0.	-975.	2492.	52.	304.	3.15	0.13	0.32	97.2	2.35	100.8	12	67.3	0.92 107
CC1626	29112	0.	1870.	0.	0.	-174.	427.	52.	52.	2.44	0.13	0.12	57.3	1.39	104.5	22	68.2	0.93 135
CC1525	29112	0.	4134.	0.	0.	-1481.	3632.	52.	442.	4.23	0.13	0.34	128.9	3.14	106.4	7	70.9	0.97 102
CC1622	29112	0.	1857.	0.	0.	-161.	427.	52.	52.	2.44	0.13	0.13	57.9	1.41	106.4	22	67.9	0.92 136
CC1622	29112	0.	3773.	0.	0.	-1231.	3260.	52.	397.	4.18	0.13	0.35	132.0	3.21	119.4	9	68.9	0.94 103
CC1222	29112	0.	1854.	0.	0.	-159.	427.	52.	52.	2.43	0.13	0.13	56.8	1.38	104.6	24	67.7	0.92 136
CC1222	29112	0.	3738.	0.	0.	-1203.	3237.	52.	394.	4.05	0.13	0.35	123.2	3.00	112.5	10	67.3	0.92 104
CC0022	29112	0.	1835.	0.	0.	-139.	427.	52.	52.	2.42	0.13	0.14	56.1	1.36	104.3	27	67.0	0.91 137
CC0022	29112	0.	3159.	0.	0.	-830.	2547.	52.	310.	3.26	0.13	0.35	94.0	2.29	101.5	18	61.9	0.84 110
DEHTPM	29112	0.	1880.	0.	0.	-184.	427.	52.	52.	3.21	0.13	0.11	86.0	2.09	156.2	7	72.2	0.90 120
DEHTPM	29112	0.	3100.	0.	0.	-905.	2100.	52.	256.	6.63	0.13	0.28	225.6	5.49	248.3	0	88.0	1.20 102
GTSOAD	29112	1851.	0.	0.	-1851.	1696.	427.	52.	52.	2.26	0.13	0.13	54.4	1.32	100.3	0	80.3	1.09 142
GTSOAD	29112	2937.	0.	0.	-2937.	2185.	2064.	52.	251.	2.80	0.13	0.31	84.3	2.05	98.0	0	86.1	1.17 120
GTRA08	29112	1899.	0.	0.	-1899.	1696.	427.	52.	52.	2.39	0.13	0.11	59.8	1.45	107.5	0	82.9	1.13 133
GTRA08	29112	4677.	0.	0.	-4677.	2768.	4018.	52.	489.	5.11	0.13	0.31	171.6	4.17	125.2	0	117.4	1.60 109
GTRA12	29112	1887.	0.	0.	-1887.	1696.	427.	52.	52.	2.40	0.13	0.11	60.3	1.47	109.0	0	82.5	1.12 138
GTRA12	29112	4391.	0.	0.	-4391.	2698.	3783.	52.	461.	4.94	0.13	0.32	165.6	4.03	128.7	0	111.3	1.52 109
GTRA16	29112	1882.	0.	0.	-1882.	1696.	427.	52.	52.	2.43	0.13	0.11	61.4	1.49	111.4	0	82.4	1.12 138
GTRA16	29112	4091.	0.	0.	-4091.	2594.	3435.	52.	418.	4.87	0.13	0.32	163.5	3.98	136.4	0	107.8	1.47 109
GTR208	29112	1878.	0.	0.	-1878.	1696.	427.	52.	52.	2.35	0.13	0.12	58.2	1.42	105.7	0	81.8	1.11 139
GTR208	29112	3552.	0.	0.	-3552.	2385.	2735.	52.	333.	3.72	0.13	0.31	119.3	2.90	114.7	0	98.2	1.34 111
GTR212	29112	1870.	0.	0.	-1878.	1596.	427.	52.	52.	2.37	0.13	0.12	59.0	1.44	107.2	0	82.0	1.12 139
GTR212	29112	3690.	0.	0.	-3698.	2445.	2937.	52.	358.	3.97	0.13	0.31	120.7	3.13	118.8	0	100.2	1.36 111
GTR216	29112	1873.	0.	0.	-1873.	1696.	427.	52.	52.	2.40	0.13	0.12	60.2	1.46	109.6	0	81.9	1.12 139
GTR216	29112	3731.	0.	0.	-3731.	2472.	3026.	52.	369.	4.23	0.13	0.32	139.0	3.38	127.1	0	100.6	1.37 110
GTRV08	29112	1931.	0.	0.	-1931.	1696.	427.	52.	52.	2.46	0.13	0.09	62.5	1.52	110.5	0	84.5	1.15 135
GTRV08	29112	5559.	0.	0.	-5559.	2971.	4695.	52.	572.	4.87	0.13	0.27	159.9	3.89	98.1	0	133.7	1.82 110
GTRV12	29112	1911.	0.	0.	-1911.	1696.	427.	52.	52.	2.45	0.13	0.10	62.5	1.52	111.6	0	83.7	1.14 136
GTRV12	29112	5273.	0.	0.	-5273.	2948.	4619.	52.	563.	4.81	0.13	0.30	158.1	3.85	102.3	0	124.2	1.69 110
GTRV16	29112	1904.	0.	0.	-1904.	1696.	427.	52.	52.	2.39	0.13	0.10	59.8	1.46	107.3	0	83.1	1.13 137
GTRV16	29112	4833.	0.	0.	-4833.	2808.	4152.	52.	506.	4.66	0.13	0.31	153.3	3.73	108.3	0	117.9	1.61 109
GTR308	29112	1949.	0.	0.	-1949.	1696.	427.	52.	52.	2.36	0.13	0.08	58.0	1.41	101.6	0	84.6	1.15 136
GTR308	29112	4676.	0.	0.	-4676.	2610.	3488.	52.	425.	4.07	0.13	0.23	130.0	3.16	94.9	0	125.0	1.70 107
GTR312	29112	1893.	0.	0.	-1893.	1696.	427.	52.	52.	2.34	0.13	0.11	57.8	1.41	104.3	0	82.4	1.12 138
GTR312	29112	4194.	0.	0.	-4194.	2599.	3451.	52.	420.	4.03	0.13	0.31	129.7	3.15	105.5	0	107.0	1.46 110
GTR316	29112	1894.	0.	0.	-1894.	1696.	427.	52.	52.	2.36	0.13	0.11	58.7	1.43	105.8	0	82.6	1.12 138
GTR316	29112	4157.	0.	0.	-4157.	2501.	3391.	52.	413.	4.12	0.13	0.30	133.3	3.24	109.4	0	107.5	1.46 109
FCPADS	29112	1942.	0.	0.	-1942.	1696.	427.	52.	52.	7.71	0.13	0.09	77.8	1.89	136.6	0	91.0	1.25 132
FCPADS	29112	7841.	0.	0.	-7841.	3710.	7170.	52.	873.	96.88	0.13	0.28	459.1	11.17	199.8	0	285.5	3.89 152
FCMCDS	29112	1881.	0.	0.	-1881.	1696.	427.	52.	52.	7.36	0.13	0.11	79.6	1.94	144.5	0	89.2	1.22 135
FCMCDS	29112	5721.	0.	0.	-5721.	3262.	5672.	52.	691.	72.32	0.13	0.36	397.3	9.66	237.0	0	208.5	2.84 137

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTN ENRG
ONOCGN	29113	0.	3883.	1034.	0.	0.	0.	126.	0.	2.97	0.14	0.	90.5	1.00	86.3	0	169.1	1.00 80
STM141	29113	0.	4085.	0.	0.	-197.	1034.	126.	126.	3.75	0.14	0.17	100.3	1.11	83.8	99	144.8	0.86 145
STM141	29113	0.	4165.	0.	0.	-228.	1198.	126.	146.	3.30	0.14	0.19	96.1	1.06	78.7	160	142.4	0.84 137
STM141	29113	0.	0.	4085.	0.	3888.	-3050.	F 126.	126.	9.85	0.14	0.17	202.1	2.23	168.8	33	107.3	0.63 125
STM141	29113	0.	0.	4165.	0.	3937.	-2966.	F 126.	146.	9.50	0.14	0.19	206.5	2.28	169.2	33	104.9	0.62 115
STM141	29113	0.	0.	4085.	0.	3888.	-3050.	A 126.	126.	9.51	0.14	0.17	150.5	1.66	125.7	57	101.4	0.60 129
STM141	29113	0.	0.	4165.	0.	3937.	-2966.	A 126.	146.	9.10	0.14	0.19	145.2	1.60	119.0	64	97.8	0.58 121
STM088	29113	0.	4041.	229.	0.	-153.	806.	126.	98.	3.00	0.14	0.13	84.5	0.93	72.6	999	148.1	0.88 134
STM088	29113	0.	68.	4201.	0.	3820.	-3167.	F 126.	98.	8.49	0.14	0.13	182.0	2.01	156.3	37	111.1	0.66 111
STM088	29113	0.	68.	4201.	0.	3820.	-3167.	A 126.	98.	8.70	0.14	0.13	137.8	1.52	118.4	65	106.5	0.63 116
PFBSTM	29113	0.	0.	4109.	0.	3888.	-3074.	126.	126.	12.85	0.14	0.17	174.4	1.93	144.9	41	107.7	0.64 127
PFBSTM	29113	0.	0.	4665.	0.	4212.	-2545.	126.	258.	17.06	0.14	0.26	191.1	2.11	139.8	40	97.3	0.58 119
TISTMT	29113	0.	4099.	0.	0.	-212.	1034.	126.	126.	7.71	0.14	0.17	251.8	2.78	209.6	6	165.6	0.98 129
TISTMT	29113	0.	5037.	0.	0.	-593.	2898.	126.	353.	15.39	0.14	0.31	566.8	6.26	383.9	0	191.3	1.13 118
TISTMT	29113	0.	0.	4099.	0.	3888.	-3065.	126.	126.	13.55	0.14	0.17	352.7	3.90	293.6	15	127.6	0.75 119
TISTMT	29113	0.	0.	5037.	0.	4445.	-2139.	126.	353.	22.61	0.14	0.31	715.0	7.90	484.3	7	147.2	0.87 110
TIHRSG	29113	0.	4456.	0.	0.	-568.	1034.	126.	126.	10.45	0.14	0.09	368.9	4.07	282.5	0	191.4	1.13 119
TIHRSG	29113	0.	5020.	0.	0.	-933.	1699.	126.	207.	14.47	0.14	0.13	545.4	6.02	370.8	0	215.6	1.28 109
TIHRSG	29113	0.	0.	4456.	0.	3888.	-3421.	126.	126.	17.30	0.14	0.09	496.2	5.48	380.0	8	153.4	0.91 110
TIHRSG	29113	0.	0.	5020.	0.	4086.	-3320.	126.	207.	21.96	0.14	0.13	693.2	7.66	471.3	4	173.4	1.03 101
STIRL	29113	4358.	0.	0.	-4358.	3888.	1034.	126.	126.	5.52	0.14	0.11	167.0	1.84	130.8	0	193.4	1.14 134
STIRL	29113	6035.	0.	0.	-6035.	4553.	3261.	126.	397.	8.19	0.14	0.23	284.5	3.14	160.9	0	219.1	1.30 116
STIRL	29113	0.	4358.	0.	0.	-470.	1034.	126.	126.	5.52	0.14	0.11	167.2	1.85	130.9	11	162.0	0.96 129
STIRL	29113	0.	6035.	0.	0.	-1402.	3261.	126.	397.	8.20	0.14	0.23	284.9	3.15	161.1	1	175.7	1.04 110
STIRL	29113	0.	0.	4358.	0.	3888.	-3323.	126.	126.	12.33	0.14	0.11	295.2	3.26	231.2	18	124.1	0.73 114
STIRL	29113	0.	0.	6035.	0.	4553.	-2773.	126.	397.	18.69	0.14	0.23	524.2	5.79	296.4	11	130.8	0.77 96
HEOTGO	29113	0.	0.	4897.	0.	3888.	-3863.	A 126.	126.	12.73	0.14	0.01	286.7	3.17	199.8	16	134.4	0.79 102
HEOTGO	29113	0.	0.	17396.	0.	6817.	-6555.	A 126.	1321.	51.49	0.14	0.01	1279.6	14.13	251.0	0	270.1	1.60 62
HEOTGO	29113	0.	0.	4681.	0.	3888.	-3646.	A 126.	126.	12.09	0.14	0.05	256.3	2.83	186.8	20	126.4	0.75 103
HEOTGO	29113	0.	0.	6520.	0.	4404.	-3759.	A 126.	336.	17.45	0.14	0.09	387.4	4.28	202.8	12	137.4	0.81 87
FCMCCL	29113	0.	0.	4210.	0.	3888.	-3175.	126.	126.	14.12	0.14	0.14	272.8	3.01	221.1	19	122.2	0.72 119
FCMCCL	29113	0.	0.	6462.	0.	4991.	-1735.	126.	576.	27.43	0.14	0.34	367.0	4.05	193.8	19	96.7	0.57 99
FCSTCL	29113	0.	0.	4181.	0.	3888.	-3147.	126.	126.	13.65	0.14	0.15	269.6	2.98	220.1	20	120.9	0.72 119
FCSTCL	29113	0.	0.	7445.	0.	5562.	-807.	126.	809.	32.01	0.14	0.39	430.9	4.76	197.5	20	79.4	0.47 94
IGGTST	29113	0.	0.	4346.	0.	3888.	-3311.	126.	126.	10.27	0.14	0.12	255.8	2.83	200.9	21	119.0	0.70 116
IGGTST	29113	0.	0.	6936.	0.	4932.	-2406.	126.	552.	12.06	0.14	0.27	419.5	4.63	206.4	17	100.8	0.60 90
GTSOAR	29113	0.	4382.	0.	0.	-494.	1034.	126.	126.	4.44	0.14	0.11	129.3	1.43	100.7	22	157.7	0.93 134
GTSOAR	29113	0.	7809.	0.	0.	-2603.	5450.	126.	664.	6.70	0.14	0.27	228.6	2.53	99.9	4	170.9	1.01 105
GTAC08	29113	0.	4205.	0.	0.	-317.	1034.	126.	126.	4.08	0.14	0.15	115.4	1.27	93.6	44	150.3	0.89 140
GTAC08	29113	0.	5896.	0.	0.	-1173.	3831.	126.	467.	4.71	0.14	0.31	153.0	1.69	88.6	30	139.9	0.83 122
GTAC12	29113	0.	4221.	0.	0.	-333.	1034.	126.	126.	4.17	0.14	0.14	119.2	1.32	96.4	38	151.2	0.89 139
GTAC12	29113	0.	6570.	0.	0.	-1551.	4822.	126.	587.	5.63	0.14	0.33	188.3	2.08	97.8	21	141.6	0.84 115
GTAC16	29113	0.	4249.	0.	0.	-361.	1034.	126.	126.	4.33	0.14	0.14	125.8	1.39	101.0	30	153.0	0.91 137

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 3.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	ORM	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	NW	NW		/HEAT		*10**6	COST	EQVL	(%)	CHRG
													RATIO						ENRG
GTAC16	29113	0.	7207.	0.	0.	-1955.	5601.	126.	682.	6.58	0.14	0.34	225.1	2.49	106.6	15	147.5	0.87	109
GTWC16	29113	0.	4293.	0.	0.	-405.	1034.	126.	126.	4.23	0.14	0.13	121.6	1.34	96.7	31	153.9	0.91	137
GTWC16	29113	0.	7502.	0.	0.	-2225.	5687.	126.	693.	5.75	0.14	0.32	191.3	2.11	87.0	16	150.4	0.89	110
CC1626	29113	0.	4308.	0.	0.	-420.	1034.	126.	126.	4.38	0.14	0.12	122.1	1.35	96.7	20	154.9	0.92	136
CC1626	29113	0.	9508.	0.	0.	-3417.	8412.	126.	1025.	7.86	0.14	0.34	258.3	2.85	92.7	10	157.0	0.93	103
CC1622	29113	0.	4277.	0.	0.	-389.	1034.	126.	126.	4.43	0.14	0.13	125.3	1.38	100.0	27	154.3	0.91	136
CC1622	29113	0.	8677.	0.	0.	-2042.	7553.	126.	920.	8.02	0.14	0.35	275.7	3.04	108.4	10	153.7	0.91	104
CC1222	29113	0.	4271.	0.	0.	-333.	1034.	126.	126.	4.40	0.14	0.13	122.9	1.36	98.2	29	153.6	0.91	137
CC1222	29113	0.	8599.	0.	0.	-2779.	7503.	126.	914.	7.75	0.14	0.35	256.0	2.83	101.6	12	150.1	0.89	105
CC0822	29113	0.	4224.	0.	0.	-336.	1034.	126.	126.	4.35	0.14	0.14	120.5	1.33	97.4	33	152.0	0.90	138
CC0822	29113	0.	7267.	0.	0.	-1921.	5917.	126.	721.	6.24	0.14	0.35	199.4	2.20	93.6	21	139.1	0.82	111
DEHTFM	29113	0.	4334.	0.	0.	-446.	1034.	126.	126.	6.23	0.14	0.12	122.4	2.12	151.5	8	164.6	0.97	128
DEHTFM	29113	0.	7075.	0.	0.	-2065.	4792.	126.	584.	13.41	0.14	0.28	403.4	5.34	233.2	0	197.3	1.17	103
GT30AD	29113	4265.	0.	0.	-4265.	3888.	1034.	126.	126.	4.12	0.14	0.13	117.0	1.29	93.6	0	183.1	1.08	143
GT30AD	29113	6703.	0.	0.	-6703.	4986.	4709.	126.	574.	5.00	0.14	0.31	162.7	1.50	82.8	0	193.5	1.14	123
GTRA03	29113	4379.	0.	0.	-4379.	3888.	1034.	126.	126.	4.51	0.14	0.11	132.9	1.47	103.6	0	139.6	1.12	138
GTRA03	29113	10673.	0.	0.	-10673.	6318.	9169.	126.	1117.	10.13	0.14	0.31	361.2	3.99	115.5	0	264.9	1.57	109
GTRA12	29113	4351.	0.	0.	-4351.	3888.	1034.	126.	126.	4.42	0.14	0.12	129.4	1.45	101.5	0	168.0	1.11	139
GTRA12	29113	10021.	0.	0.	-10021.	6157.	8632.	126.	1051.	9.72	0.14	0.32	345.6	3.82	117.7	0	250.4	1.48	109
GTRA16	29113	4338.	0.	0.	-4338.	3888.	1034.	126.	126.	4.47	0.14	0.12	131.6	1.46	103.5	0	187.8	1.11	139
GTRA16	29113	9335.	0.	0.	-9335.	5921.	7840.	126.	955.	9.50	0.14	0.32	338.1	3.73	123.6	0	242.2	1.43	110
GTR208	29113	4329.	0.	0.	-4329.	3888.	1034.	126.	126.	4.42	0.14	0.12	129.2	1.43	101.8	0	187.2	1.11	139
GTR208	29113	8106.	0.	0.	-8106.	5443.	6242.	126.	760.	7.21	0.14	0.31	248.5	2.74	104.6	0	221.8	1.31	113
GTR212	29113	4329.	0.	0.	-4329.	3888.	1034.	126.	126.	4.36	0.14	0.12	126.7	1.40	99.9	0	186.9	1.11	140
GTR212	29113	8440.	0.	0.	-8440.	5581.	6702.	126.	816.	7.74	0.14	0.31	269.0	2.97	108.8	0	226.2	1.34	112
GTR216	29113	4318.	0.	0.	-4318.	3888.	1034.	126.	126.	4.42	0.14	0.12	129.5	1.43	102.3	0	186.8	1.10	139
GTR216	29113	8515.	0.	0.	-8515.	5641.	6905.	126.	841.	8.32	0.14	0.32	292.2	3.23	117.1	0	227.2	1.34	111
GTRV08	29113	4458.	0.	0.	-4458.	3888.	1034.	126.	126.	4.37	0.14	0.09	127.0	1.40	97.2	0	191.9	1.14	137
GTRV08	29113	12687.	0.	0.	-12687.	6779.	10715.	126.	1305.	9.85	0.14	0.27	347.3	3.84	93.4	0	303.6	1.80	110
GTRV12	29113	4409.	0.	0.	-4409.	3888.	1034.	126.	126.	4.36	0.14	0.10	126.9	1.40	98.2	0	190.0	1.12	138
GTRV12	29113	12034.	0.	0.	-12034.	6727.	10541.	126.	1284.	9.53	0.14	0.30	335.3	3.70	95.1	0	280.8	1.66	110
GTRV16	29113	4392.	0.	0.	-4392.	3888.	1034.	126.	126.	4.44	0.14	0.11	130.2	1.44	101.2	0	189.8	1.12	138
GTRV16	29113	11030.	0.	0.	-11030.	6409.	9475.	126.	1154.	9.07	0.14	0.31	318.3	3.52	98.5	0	265.6	1.57	110
GTR308	29113	4501.	0.	0.	-4501.	3888.	1034.	126.	126.	4.25	0.14	0.09	121.6	1.34	92.2	0	192.9	1.14	137
GTR308	29113	10671.	0.	0.	-10671.	5957.	7960.	126.	970.	7.60	0.14	0.23	259.9	2.87	83.1	0	281.2	1.66	108
GTR312	29113	4366.	0.	0.	-4366.	3888.	1034.	126.	126.	4.27	0.14	0.11	123.2	1.36	96.3	0	187.8	1.11	140
GTR312	29113	9571.	0.	0.	-9571.	5931.	7876.	126.	959.	7.59	0.14	0.31	261.4	2.89	93.2	0	240.5	1.42	111
GTR316	29113	4369.	0.	0.	-4369.	3888.	1034.	126.	126.	4.31	0.14	0.11	124.8	1.38	97.5	0	188.1	1.11	139
GTR316	29113	9486.	0.	0.	-9486.	5890.	7738.	126.	942.	7.79	0.14	0.30	269.4	2.98	96.9	0	241.6	1.43	111
FCPADS	29113	4484.	0.	0.	-4484.	3888.	1034.	126.	126.	17.46	0.14	0.09	170.6	1.88	129.8	0	210.6	1.25	133
FCPADS	29113	17894.	0.	0.	-17894.	8456.	16362.	126.	1993.	219.61	0.14	0.28	1007.8	11.13	192.2	0	647.3	3.83	151
FCMCDS	29113	4336.	0.	0.	-4336.	3888.	1034.	126.	126.	16.62	0.14	0.12	175.4	1.94	138.1	0	204.5	1.21	135
FCMCDS	29113	13056.	0.	0.	-13056.	7445.	12943.	126.	1576.	163.95	0.14	0.36	880.1	9.72	230.0	0	473.4	2.80	136

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	ORM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQLV	ROI (%)	LEVEL CHRG	NORM ENRG	WRTH
ONOCOEN	33121	0.	257.	493.	0.	0.	0.	60.	0.	0.33	2.20	0.	3.7	1.00	116.0	0	18.9	1.00	80
STM141	33121	0.	261.	468.	0.	-5.	25.	60.	3.	0.45	2.20	0.03	5.4	1.45	152.1	11	18.7	0.99	88
STM141	33121	0.	140.	589.	0.	117.	-97. F	60.	3.	0.80	2.20	0.03	10.8	2.90	302.9	9	18.4	0.98	75
STM141	33121	0.	140.	589.	0.	117.	-97. A	60.	3.	0.70	2.20	0.03	8.5	2.28	238.7	15	18.0	0.96	78
STM088	33121	0.	259.	479.	0.	-3.	13.	60.	2.	0.42	2.20	0.01	4.6	1.25	136.7	9	18.8	1.00	87
STM088	33121	0.	143.	595.	0.	113.	-103. F	60.	2.	0.76	2.20	0.01	9.8	2.64	289.3	9	18.5	0.96	71
STM088	33121	0.	143.	595.	0.	113.	-103. A	60.	2.	0.67	2.20	0.01	7.9	2.13	233.3	14	18.2	0.97	75
PFBSTM	33121	0.	132.	577.	0.	125.	-85.	60.	6.	1.00	2.20	0.05	13.8	3.71	344.8	9	18.3	0.97	80
TISTMT	33121	0.	272.	419.	0.	-15.	74.	60.	9.	1.09	2.20	0.08	30.3	8.14	704.0	0	21.1	1.12	83
TISTMT	33121	0.	125.	565.	0.	132.	-73.	60.	9.	1.53	2.20	0.08	38.7	10.40	899.2	0	20.9	1.11	81
TIHRS6	33121	0.	283.	441.	0.	-26.	51.	60.	6.	0.98	2.20	0.03	29.8	8.00	671.8	0	21.7	1.15	75
TIHRS6	33121	0.	132.	593.	0.	125.	-100.	60.	6.	1.43	2.20	0.03	38.3	10.30	865.4	0	21.6	1.14	73
STIRL	33121	187.	116.	389.	-187.	140.	104.	60.	13.	0.57	2.20	0.08	10.5	2.82	191.5	0	19.5	1.03	96
STIRL	33121	0.	303.	389.	0.	-46.	104.	60.	13.	0.57	2.20	0.08	10.5	2.82	191.7	9	18.4	0.98	94
STIRL	33121	0.	116.	576.	0.	140.	-83.	60.	13.	1.01	2.20	0.08	17.9	4.82	327.9	10	17.8	0.94	86
HEGT60	33121	0.	62.	666.	0.	195.	-173. A	60.	35.	2.28	2.20	0.03	61.4	16.49	455.3	0	21.9	1.16	83
HEGT60	33121	0.	122.	606.	0.	134.	-114. A	60.	10.	1.11	2.20	0.03	26.7	7.17	460.9	2	19.6	1.04	77
FCMCCL	33121	0.	104.	546.	0.	153.	-53.	60.	18.	1.50	2.20	0.13	30.7	8.25	531.2	5	18.6	0.99	93
FCSTCL	33121	0.	92.	526.	0.	164.	-34.	60.	22.	1.75	2.20	0.17	34.3	9.21	538.1	6	18.3	0.97	100
IGOTST	33121	0.	111.	573.	0.	146.	-80.	60.	15.	1.25	2.20	0.09	28.1	7.55	473.7	5	18.9	1.00	87
GT30AR	33121	0.	332.	329.	0.	-76.	163.	60.	20.	0.56	2.20	0.12	11.4	3.05	165.7	14	17.8	0.94	102
GTAC09	33121	0.	292.	376.	0.	-36.	117.	60.	14.	0.46	2.20	0.11	8.3	2.24	157.9	22	17.5	0.93	102
GTAC12	33121	0.	304.	345.	0.	-47.	147.	60.	18.	0.50	2.20	0.13	9.7	2.60	164.0	21	17.3	0.92	105
GTAC16	33121	0.	316.	322.	0.	-59.	171.	60.	21.	0.55	2.20	0.15	11.1	2.98	172.3	19	17.2	0.91	106
GTWC16	33121	0.	325.	319.	0.	-68.	174.	60.	21.	0.56	2.20	0.14	11.3	3.03	167.6	17	17.4	0.92	105
CC1626	33121	0.	354.	258.	0.	-98.	235.	60.	29.	0.75	2.20	0.18	13.7	3.68	168.7	16	17.1	0.91	110
CC1622	33121	0.	338.	282.	0.	-81.	210.	60.	26.	0.71	2.20	0.17	12.9	3.45	173.2	16	17.1	0.91	109
CC1222	33121	0.	336.	284.	0.	-79.	208.	60.	25.	0.70	2.20	0.17	12.2	3.27	165.8	17	17.1	0.90	110
CC0822	33121	0.	311.	330.	0.	-54.	162.	60.	20.	0.64	2.20	0.14	10.5	2.82	169.0	18	17.3	0.92	106
DEADV3	33121	0.	548.	5.	0.	-291.	488.	60.	59.	1.46	2.20	0.26	40.1	10.79	250.8	4	19.2	1.02	118
DEHTPM	33121	0.	319.	340.	0.	-62.	152.	60.	19.	0.80	2.20	0.12	17.0	4.56	267.2	7	18.6	0.98	93
DESOA3	33121	586.	0.	0.	-586.	257.	493.	60.	60.	1.87	2.20	0.22	51.1	13.75	298.1	0	24.8	1.31	129
DESOA3	33121	682.	0.	0.	-682.	286.	593.	60.	72.	1.99	2.20	0.22	59.8	16.08	299.3	0	26.6	1.42	121
DESOA3	33121	0.	586.	0.	0.	-329.	493.	60.	60.	1.87	2.20	0.22	51.1	13.75	298.1	0	21.5	1.14	125
DESOA3	33121	0.	682.	0.	0.	-396.	593.	60.	72.	1.99	2.20	0.22	59.8	16.08	299.3	0	23.0	1.22	116
GTSCAD	33121	205.	104.	349.	-205.	152.	144.	60.	18.	0.48	2.20	0.12	8.8	2.36	146.4	10	18.5	0.98	106
GTRA08	33121	313.	67.	224.	-313.	190.	269.	60.	33.	0.71	2.20	0.19	16.0	4.31	174.6	5	18.3	1.00	113
GTRA12	33121	297.	71.	237.	-297.	186.	256.	60.	31.	0.70	2.20	0.19	15.8	4.24	181.3	6	18.7	0.99	113
GTRA16	33121	278.	77.	259.	-278.	179.	234.	60.	28.	0.69	2.20	0.18	15.7	4.21	192.2	5	18.6	1.00	111
GTR208	33121	244.	91.	305.	-244.	166.	189.	60.	23.	0.58	2.20	0.15	12.1	3.24	168.6	6	18.7	0.99	108
GTR212	33121	254.	87.	291.	-254.	170.	202.	60.	25.	0.61	2.20	0.16	13.0	3.50	175.0	6	18.7	0.99	108
GTR216	33121	256.	85.	285.	-256.	171.	207.	60.	25.	0.63	2.20	0.16	13.8	3.71	184.2	6	18.7	0.99	109
GTRW08	33121	374.	53.	177.	-374.	204.	316.	60.	38.	0.76	2.20	0.19	17.4	4.67	158.3	2	19.3	1.02	114

DATE 06/06/75
 CASE-PCO-ADV-DEC-ENGR

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 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **HCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW12	33121	358.	54.	179.	-358.	203.	313.	60.	38.	0.75	2.20	0.21	17.2	4.63	164.3	5	18.9	1.00	116
GTRW16	33121	330.	62.	209.	-330.	194.	284.	60.	35.	0.74	2.20	0.20	16.9	4.53	174.0	4	18.9	1.00	114
GTR308	33121	318.	76.	256.	-318.	180.	237.	60.	29.	0.66	2.20	0.13	13.9	3.72	148.7	0	19.6	1.04	107
GTR312	33121	290.	76.	254.	-290.	181.	239.	60.	29.	0.65	2.20	0.17	13.9	3.72	163.1	6	18.8	0.99	111
GTR316	33121	288.	77.	258.	-288.	179.	235.	60.	29.	0.66	2.20	0.17	14.3	3.85	170.2	5	18.9	1.00	110
FCPADS	33121	540.	0.	0.	-540.	257.	493.	60.	60.	5.62	2.20	0.28	36.3	9.75	229.1	0	25.6	1.36	140
FCPADS	33121	547.	0.	0.	-547.	259.	500.	60.	61.	5.64	2.20	0.26	36.8	9.90	229.9	0	25.7	1.36	129
FCNCDs	33121	399.	29.	97.	-399.	226.	396.	60.	48.	4.26	2.20	0.30	31.4	8.45	263.9	0	22.6	1.20	123

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

*****FUEL USE IN BTU*10**6*****																			
COGENERATION CASE **NOCOGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	OGN	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KWH EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCOEN	33251	0.	1230.	2299.	0.	0.	0.	280.	0.	1.24	1.05	0.	30.3	1.00	96.4	0	89.9	1.00	80
STM141	33251	0.	1276.	2056.	0.	-46.	243.	280.	30.	1.41	1.05	0.06	31.6	1.04	90.6	102	85.6	0.95	105
STM141	33251	0.	614.	2718.	0.	616.	-419.	F 280.	30.	3.13	1.05	0.06	62.1	2.05	177.9	16	83.8	0.93	99
STM141	33251	0.	614.	2718.	0.	616.	-419.	A 280.	30.	2.78	1.05	0.06	42.3	1.39	121.0	39	81.3	0.90	97
STM000	33251	0.	1256.	2166.	0.	-25.	133.	280.	16.	1.31	1.05	0.03	28.1	0.93	84.3	999	87.2	0.97	100
STM000	33251	0.	647.	2774.	0.	583.	-476.	F 280.	16.	2.92	1.05	0.03	57.6	1.90	172.6	14	85.8	0.95	83
STM000	33251	0.	647.	2774.	0.	583.	-476.	A 280.	16.	2.67	1.05	0.03	40.1	1.32	120.2	35	83.7	0.93	90
PFBSTM	33251	0.	534.	2599.	0.	696.	-300.	280.	62.	4.80	1.05	0.11	52.0	2.05	157.8	23	79.1	0.88	102
TISTMT	33251	0.	1306.	1930.	0.	-76.	369.	280.	45.	3.78	1.05	0.08	113.0	3.73	306.3	0	94.4	1.05	90
TISTMT	33251	0.	469.	2482.	0.	761.	-183.	280.	89.	6.99	1.05	0.16	211.4	6.98	500.8	4	92.1	1.02	100
TIHRS0	33251	0.	1362.	2045.	0.	-131.	254.	280.	31.	3.60	1.05	0.03	111.7	3.69	297.7	0	97.9	1.09	82
TIHRS0	33251	0.	537.	2750.	0.	693.	-451.	280.	61.	6.88	1.05	0.07	210.7	6.95	485.0	0	99.6	1.11	86
STIRL	33251	928.	533.	1784.	-928.	697.	515.	280.	63.	2.58	1.05	0.08	65.9	2.17	154.2	0	93.3	1.04	101
STIRL	33251	0.	1460.	1784.	0.	-230.	515.	280.	63.	2.58	1.05	0.08	65.9	2.18	154.4	9	88.2	0.98	100
STIRL	33251	0.	383.	2584.	0.	847.	-285.	280.	124.	6.16	1.05	0.16	167.2	5.52	311.6	9	82.5	0.92	102
HEGT60	33251	0.	0.	3355.	0.	1230.	-1056.	A 280.	280.	11.27	1.05	0.05	279.5	9.23	245.6	5	89.0	0.99	102
HEGT60	33251	0.	0.	3982.	0.	1383.	-1170.	A 280.	342.	13.86	1.05	0.05	376.5	12.42	284.8	2	101.3	1.13	93
HEGT00	33251	0.	442.	2886.	0.	789.	-587.	A 280.	100.	5.53	1.05	0.06	134.2	4.43	236.4	7	86.4	0.96	91
FCMCCL	33251	0.	264.	2818.	0.	966.	-520.	280.	172.	8.67	1.05	0.13	160.3	5.29	282.7	9	81.6	0.91	101
FCSTCL	33251	0.	147.	2627.	0.	1083.	-328.	280.	220.	9.73	1.05	0.21	179.1	5.91	286.5	11	75.3	0.84	111
IGGTST	33251	0.	329.	3087.	0.	901.	-780.	280.	146.	4.63	1.05	0.03	142.1	4.69	244.2	9	83.1	0.92	90
GTAC08	33251	0.	1607.	1488.	0.	-377.	811.	280.	99.	2.26	1.05	0.12	55.1	1.82	111.2	21	83.1	0.92	112
GTAC08	33251	0.	1403.	1717.	0.	-178.	582.	280.	71.	1.97	1.05	0.11	45.5	1.50	108.9	31	82.5	0.92	111
GTAC12	33251	0.	1466.	1566.	0.	-236.	733.	280.	89.	2.13	1.05	0.14	51.2	1.69	114.3	28	81.1	0.90	114
GTAC16	33251	0.	1523.	1452.	0.	-293.	847.	280.	103.	2.28	1.05	0.16	56.5	1.86	119.0	25	80.4	0.89	116
GTAC16	33251	0.	1568.	1435.	0.	-338.	864.	280.	105.	2.22	1.05	0.16	53.8	1.77	109.9	27	80.7	0.90	116
CC1626	33251	0.	2711.	0.	0.	-1481.	2299.	280.	280.	3.09	1.05	0.23	86.4	2.85	108.6	17	78.5	0.87	134
CC1626	33251	0.	1716.	1130.	0.	-486.	1169.	280.	142.	2.60	1.05	0.19	61.4	2.03	109.8	25	78.3	0.87	121
CC1622	33251	0.	1633.	1252.	0.	-403.	1046.	280.	127.	2.57	1.05	0.18	62.2	2.05	118.8	23	79.3	0.88	119
CC1222	33251	0.	1623.	1262.	0.	-393.	1037.	280.	126.	2.53	1.05	0.18	59.6	1.97	114.5	25	79.0	0.88	119
CC0822	33251	0.	1499.	1492.	0.	-269.	807.	280.	98.	2.24	1.05	0.15	49.5	1.64	106.8	31	80.1	0.89	117
DEADV3	33251	0.	2603.	0.	0.	-1373.	2299.	280.	280.	6.14	1.05	0.26	190.4	6.55	216.1	5	90.5	1.01	132
DEADV3	33251	0.	2713.	0.	0.	-1446.	2422.	280.	295.	6.37	1.05	0.26	207.3	6.84	218.1	4	92.1	1.02	121
DEHTPM	33251	0.	1538.	1542.	0.	-308.	757.	280.	92.	3.49	1.05	0.13	97.2	3.21	206.4	7	80.4	0.98	104
DES0A3	33251	2766.	0.	0.	-2766.	1230.	2299.	280.	280.	7.31	1.05	0.22	244.0	8.05	252.7	0	115.7	1.29	131
DES0A3	33251	3390.	0.	0.	-3390.	1423.	2944.	280.	359.	8.85	1.05	0.22	303.5	10.02	264.2	0	130.0	1.45	123
DES0A3	33251	0.	2766.	0.	0.	-1535.	2299.	280.	280.	7.31	1.05	0.22	244.0	8.05	252.7	0	100.5	1.12	127
DES0A3	33251	0.	3390.	0.	0.	-1967.	2944.	280.	359.	8.85	1.05	0.22	303.5	10.02	264.2	0	111.3	1.24	118
GTSCAD	33251	1013.	473.	1585.	-1016.	757.	714.	280.	87.	2.04	1.05	0.13	47.2	1.56	104.2	15	87.2	0.97	116
GTRA00	33251	2676.	0.	0.	-2676.	1230.	2299.	280.	280.	3.61	1.05	0.24	107.8	3.56	130.8	0	95.0	1.06	137
GTRA00	33251	1555.	288.	963.	-1555.	943.	1336.	280.	163.	2.92	1.05	0.20	79.3	2.62	129.8	8	88.0	0.98	122
GTRA12	33251	2669.	0.	0.	-2669.	1230.	2299.	280.	280.	3.59	1.05	0.24	108.2	3.57	133.9	0	94.7	1.05	137
GTRA12	33251	1474.	307.	1029.	-1474.	923.	1270.	280.	155.	2.85	1.05	0.20	76.9	2.54	131.0	9	87.3	0.97	121

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-----FUEL USE IN BTU*10**6-----																
COGENERATION CASE **NOCOGEN - COGEN**																
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)
GTR16	33251	1382.	340.	1138.	-1382.	890.	1161.	280.	141.	2.82	1.05	0.19	58.4	2.52	136.5	8
GTR208	33251	1212.	408.	1366.	-1212.	822.	933.	280.	114.	2.34	1.05	0.15	58.3	1.92	114.2	11
GTR212	33251	1261.	388.	1297.	-1261.	843.	1001.	280.	122.	2.43	1.05	0.17	61.5	2.03	117.1	11
GTR216	33251	1271.	379.	1268.	-1271.	851.	1031.	280.	126.	2.52	1.05	0.17	64.9	2.14	123.1	10
GTRW08	33251	2722.	0.	0.	-2722.	1230.	2299.	280.	200.	3.35	1.05	0.23	94.4	3.12	107.4	0
GTRW08	33251	1859.	218.	729.	-1859.	1012.	1570.	280.	191.	2.98	1.05	0.21	80.4	2.65	114.9	5
GTRW12	33251	2625.	0.	0.	-2625.	1230.	2299.	280.	280.	3.33	1.05	0.26	94.1	3.11	110.9	2
GTRW12	33251	1778.	222.	742.	-1778.	1009.	1557.	280.	190.	2.96	1.05	0.22	79.9	2.64	118.2	8
GTRW16	33251	2676.	0.	0.	-2676.	1230.	2299.	280.	280.	3.36	1.05	0.24	96.8	3.19	115.3	0
GTRW16	33251	1642.	265.	889.	-1642.	965.	1410.	280.	172.	2.72	1.05	0.21	70.9	2.34	111.4	10
GTR308	33251	3082.	0.	0.	-3082.	1230.	2299.	280.	280.	3.04	1.05	0.13	88.9	2.93	98.0	0
GTR308	33251	1579.	335.	1121.	-1579.	895.	1178.	280.	143.	2.50	1.05	0.14	62.4	2.06	101.1	0
GTR312	33251	2793.	0.	0.	-2793.	1230.	2299.	280.	280.	3.01	1.05	0.21	87.9	2.90	106.6	0
GTR312	33251	1441.	333.	1113.	-1441.	898.	1186.	280.	144.	2.47	1.05	0.18	62.1	2.05	107.5	11
GTR316	33251	2810.	0.	0.	-2810.	1230.	2299.	280.	280.	2.99	1.05	0.20	90.4	2.98	109.5	0
GTR316	33251	1429.	339.	1134.	-1429.	992.	1165.	280.	142.	2.50	1.05	0.18	63.3	2.09	110.3	10
FCPADS	33251	2555.	0.	0.	-2555.	1230.	2299.	280.	280.	25.99	1.05	0.28	177.7	5.86	196.6	0
FCPADS	33251	2718.	0.	0.	-2718.	1286.	2485.	280.	303.	27.97	1.05	0.28	189.7	6.26	199.4	0
FCMCDS	33251	2319.	0.	0.	-2319.	1230.	2299.	280.	280.	24.59	1.05	0.34	188.0	6.20	232.8	0
FCMCDS	33251	1983.	99.	333.	-1983.	1131.	1965.	280.	239.	21.25	1.05	0.32	165.5	5.46	224.8	0

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-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVL CHRG	NORM WRTH ENRG
													*10**6		(%)			
ONOCN	33254	0.	205.	328.	0.	0.	0.	40.	0.	0.32	1.50	0.	3.7	1.00	116.9	0	13.6	1.00 80
STM141	33254	0.	210.	304.	0.	-5.	24.	40.	3.	0.44	1.50	0.04	5.3	1.46	153.4	11	13.5	0.99 92
STM141	33254	0.	91.	423.	0.	114.	-95. F	40.	3.	0.79	1.50	0.04	10.6	2.89	304.9	9	13.2	0.97 79
STM141	33254	0.	91.	423.	0.	114.	-95. A	40.	3.	0.69	1.50	0.04	8.4	2.29	240.8	15	12.8	0.94 82
STM088	33254	0.	208.	315.	0.	-2.	13.	40.	2.	0.42	1.50	0.02	4.6	1.25	137.8	8	13.6	1.00 90
STM088	33254	0.	94.	429.	0.	111.	-100. F	40.	2.	0.76	1.50	0.02	9.7	2.64	291.2	9	13.5	0.98 74
STM088	33254	0.	94.	429.	0.	111.	-100. A	40.	2.	0.67	1.50	0.02	7.8	2.13	235.4	14	13.0	0.96 77
PFBSTM	33254	0.	83.	411.	0.	122.	-83.	40.	6.	0.99	1.50	0.07	13.6	3.71	347.5	9	13.1	0.96 86
T1STMT	33254	0.	220.	256.	0.	-15.	72.	40.	9.	1.08	1.50	0.11	29.8	8.12	708.0	0	15.8	1.16 92
T1STMT	33254	0.	76.	400.	0.	129.	-71.	40.	9.	1.51	1.50	0.11	38.1	10.38	904.4	0	15.7	1.15 90
TIHRS0	33254	0.	231.	278.	0.	-26.	50.	40.	6.	0.97	1.50	0.05	29.3	7.98	675.6	0	16.4	1.20 81
TIHRS0	33254	0.	83.	426.	0.	122.	-98.	40.	6.	1.41	1.50	0.05	37.7	10.28	870.4	0	16.3	1.20 79
STIRL	33254	183.	68.	227.	-183.	137.	101.	40.	12.	0.56	1.50	0.11	10.3	2.80	191.7	0	14.2	1.04 104
STIRL	33254	0.	251.	227.	0.	-45.	101.	40.	12.	0.56	1.50	0.11	10.3	2.80	191.9	9	13.2	0.97 102
STIRL	33254	0.	68.	410.	0.	137.	-31.	40.	12.	0.99	1.50	0.11	17.6	4.80	329.2	10	12.6	0.92 94
HEGT60	33254	0.	14.	498.	0.	191.	-170. A	40.	34.	2.25	1.50	0.04	60.4	16.47	458.2	0	16.7	1.22 93
HEGT00	33254	0.	74.	440.	0.	132.	-111. A	40.	10.	1.09	1.50	0.04	26.3	7.16	463.9	2	14.4	1.06 83
FCMCCL	33254	0.	56.	380.	0.	149.	-52.	40.	17.	1.48	1.50	0.18	30.2	8.24	534.5	5	13.4	0.99 104
FCSTCL	33254	0.	44.	361.	0.	161.	-33.	40.	22.	1.72	1.50	0.24	33.8	9.20	541.5	6	13.1	0.96 112
IGOTST	33254	0.	63.	407.	0.	143.	-79.	40.	15.	1.23	1.50	0.12	27.7	7.54	477.1	5	13.7	1.00 95
GTSOAR	33254	0.	279.	169.	0.	-74.	160.	40.	19.	0.56	1.50	0.16	11.2	3.05	166.7	14	12.6	0.93 111
GTAC08	33254	0.	240.	214.	0.	-35.	115.	40.	14.	0.46	1.50	0.15	8.2	2.24	158.9	22	12.3	0.90 111
GTAC12	33254	0.	252.	194.	0.	-46.	144.	40.	18.	0.50	1.50	0.18	9.5	2.59	164.9	21	12.1	0.89 114
GTAC16	33254	0.	263.	162.	0.	-58.	167.	40.	20.	0.54	1.50	0.20	10.9	2.97	173.2	19	12.0	0.88 116
GTWC16	33254	0.	272.	158.	0.	-67.	170.	40.	21.	0.55	1.50	0.19	11.1	3.02	166.6	17	12.2	0.89 115
CC1626	33254	0.	301.	98.	0.	-96.	230.	40.	28.	0.74	1.50	0.25	13.5	3.68	169.8	16	11.8	0.87 121
CC1622	33254	0.	204.	123.	0.	-79.	206.	40.	25.	0.70	1.50	0.24	12.6	3.45	174.1	16	12.0	0.88 120
CC1222	33254	0.	283.	124.	0.	-77.	204.	40.	25.	0.69	1.50	0.24	12.0	3.27	166.7	17	11.9	0.87 120
CC0822	33254	0.	258.	170.	0.	-53.	159.	40.	19.	0.63	1.50	0.20	10.3	2.82	170.0	18	12.1	0.89 116
DEADV3	33254	0.	401.	0.	0.	-196.	328.	40.	40.	1.28	1.50	0.25	29.2	7.95	248.1	3	14.1	1.04 129
DEADV3	33254	0.	534.	0.	0.	-205.	477.	40.	58.	1.43	1.50	0.26	39.3	10.71	251.0	0	15.8	1.16 120
DEHTPM	33254	0.	266.	179.	0.	-61.	149.	40.	18.	0.79	1.50	0.17	16.6	4.53	267.5	7	13.4	0.98 107
DESQA3	33254	424.	0.	0.	-424.	205.	328.	40.	40.	1.47	1.50	0.20	35.9	9.79	288.7	0	17.9	1.32 129
DESQA3	33254	668.	0.	0.	-668.	280.	580.	40.	71.	1.95	1.50	0.22	58.6	15.97	299.4	0	23.3	1.71 125
DESQA3	33254	0.	424.	0.	0.	-219.	328.	40.	40.	1.47	1.50	0.20	35.9	9.79	288.7	0	15.6	1.14 125
DESQA3	33254	0.	668.	0.	0.	-387.	580.	40.	71.	1.95	1.50	0.22	58.6	15.97	299.4	0	19.7	1.44 118
GTSOAR	33254	200.	56.	188.	-200.	149.	141.	40.	17.	0.48	1.50	0.17	8.6	2.35	147.2	10	13.3	0.97 116
GTRA08	33254	303.	19.	65.	-306.	186.	263.	40.	32.	0.70	1.50	0.27	15.8	4.30	175.6	5	13.6	1.00 125
GTRA12	33254	290.	23.	78.	-290.	182.	250.	40.	30.	0.69	1.50	0.27	15.5	4.23	182.3	6	13.5	0.99 124
GTRA16	33254	272.	30.	100.	-272.	175.	229.	40.	28.	0.68	1.50	0.25	15.4	4.20	193.3	5	13.6	1.00 122
GTR208	33254	239.	43.	145.	-239.	162.	184.	40.	22.	0.58	1.50	0.20	11.9	3.23	169.5	6	13.5	0.99 118
GTR212	33254	248.	39.	131.	-248.	166.	197.	40.	24.	0.60	1.50	0.22	12.8	3.49	176.0	6	13.5	0.99 119
GTR216	33254	250.	37.	125.	-250.	168.	203.	40.	25.	0.62	1.50	0.23	13.6	3.70	185.2	6	13.5	0.99 120

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-----FUEL USE IN BTU*10**5-----																		
COGENERATION CASE **NO COGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	Q&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EQVL	ROI (%)	LEVEL CHRG	NORM ENRG
GTRW08	33254	365.	6.	19.	-366.	199.	309.	40.	38.	0.75	1.50	0.27	17.1	4.66	159.3	1	14.1	1.03 125
GTRW12	33254	350.	6.	22.	-350.	199.	307.	40.	37.	0.75	1.50	0.29	17.0	4.62	165.3	5	13.7	1.00 128
GTRW16	33254	323.	15.	51.	-323.	190.	278.	40.	34.	0.73	1.50	0.27	16.6	4.52	175.2	4	13.7	1.01 125
GTR308	33254	311.	29.	96.	-311.	176.	232.	40.	28.	0.65	1.50	0.18	13.6	3.72	149.6	0	14.4	1.06 117
GTR312	33254	284.	28.	95.	-284.	177.	234.	40.	28.	0.64	1.50	0.24	13.6	3.72	164.1	6	13.5	0.99 122
GTR316	33254	281.	30.	99.	-281.	176.	230.	40.	28.	0.65	1.50	0.23	14.1	3.85	171.3	5	13.7	1.00 121
FCPADS	33254	394.	0.	0.	-394.	205.	328.	40.	40.	3.96	1.50	0.26	26.2	7.15	227.0	0	18.5	1.36 139
FCPADS	33254	535.	0.	0.	-535.	253.	499.	40.	60.	5.52	1.50	0.28	35.8	9.76	228.4	0	22.3	1.63 134
FCMCDS	33254	348.	0.	0.	-348.	205.	328.	40.	40.	3.71	1.50	0.35	27.4	7.47	269.1	0	17.0	1.25 147
FCMCDS	33254	391.	0.	0.	-391.	223.	397.	40.	47.	4.17	1.50	0.36	30.8	8.40	269.3	0	10.0	1.32 139

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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REDD	POWER	MW	MW		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG
ONOCGN	33314	0.	72.	83.	0.	0.	0.	10.	0.	0.23	0.86	0.	0.86	0.	2.2	1.00	157.1	0	4.7
STM141	33314	0.	75.	65.	0.	-3.	18.	10.	2.	0.34	0.86	0.09	0.86	0.09	3.6	1.66	221.1	10	4.6
STM141	33314	0.	20.	121.	0.	52.	-38. F	10.	2.	0.57	0.86	0.09	0.86	0.09	6.6	3.03	402.4	8	4.5
STM141	33314	0.	20.	121.	0.	52.	-38. A	10.	2.	0.50	0.86	0.09	0.86	0.09	5.6	2.58	343.1	12	4.3
STM088	33314	0.	74.	71.	0.	-2.	12.	10.	2.	0.32	0.86	0.06	0.86	0.06	3.1	1.43	199.0	10	4.6
STM088	33314	0.	21.	124.	0.	51.	-41. F	10.	2.	0.54	0.86	0.06	0.86	0.06	6.0	2.77	385.1	8	4.6
STM088	33314	0.	21.	124.	0.	51.	-41. A	10.	2.	0.40	0.86	0.06	0.86	0.06	5.2	2.42	336.0	11	4.4
PFBSTM	33314	0.	16.	115.	0.	56.	-32.	10.	4.	0.66	0.86	0.15	0.86	0.15	8.6	3.98	472.4	7	4.5
TISTMT	33314	0.	80.	43.	0.	-3.	40.	10.	5.	0.70	0.86	0.21	0.86	0.21	17.3	8.00	878.3	0	6.0
TISTMT	33314	0.	13.	110.	0.	59.	-27.	10.	5.	0.98	0.86	0.21	0.86	0.21	22.1	10.20	1119.7	0	6.0
TIHRSG	33314	0.	80.	62.	0.	-9.	21.	10.	3.	0.56	0.86	0.08	0.86	0.08	15.4	7.11	849.8	0	6.1
TIHRSG	33314	0.	19.	124.	0.	53.	-41.	10.	3.	0.82	0.86	0.08	0.86	0.08	19.9	9.18	1096.9	0	6.2
STIRL	33314	84.	10.	32.	-84.	62.	51.	10.	6.	0.35	0.86	0.19	0.86	0.19	5.0	2.29	201.3	0	4.9
STIRL	33314	0.	93.	32.	0.	-22.	51.	10.	6.	0.35	0.86	0.19	0.86	0.19	5.0	2.29	201.6	14	4.3
STIRL	33314	0.	10.	116.	0.	62.	-33.	10.	6.	0.61	0.86	0.19	0.86	0.19	8.4	3.88	341.6	13	4.0
HEGT85	33314	0.	0.	139.	0.	72.	-55. A	10.	10.	1.34	0.86	0.10	0.86	0.10	29.6	13.64	725.0	0	6.0
HEGT85	33314	0.	0.	330.	0.	123.	-75. A	10.	31.	2.06	0.86	0.13	0.86	0.13	56.8	26.21	587.6	0	9.8
HEGT60	33314	0.	0.	134.	0.	72.	-51. A	10.	10.	1.11	0.86	0.13	0.86	0.13	26.1	12.05	663.5	0	6.1
HEGT60	33314	0.	0.	137.	0.	73.	-52. A	10.	10.	1.03	0.86	0.13	0.86	0.13	26.1	12.06	651.9	0	6.0
HEGT00	33314	0.	14.	130.	0.	57.	-47. A	10.	4.	0.64	0.86	0.07	0.86	0.07	14.3	6.61	597.7	1	5.2
FCMCCL	33314	0.	6.	106.	0.	66.	-23.	10.	8.	0.37	0.86	0.28	0.86	0.28	16.9	7.70	680.5	4	4.8
FCSTCL	33314	0.	0.	95.	0.	72.	-12.	10.	10.	1.18	0.86	0.38	0.86	0.38	19.9	9.18	712.5	4	4.9
FCSTCL	33314	0.	0.	100.	0.	74.	-9.	10.	11.	1.08	0.86	0.39	0.86	0.39	20.0	9.23	685.8	5	4.7
IGGTST	33314	0.	6.	113.	0.	66.	-31.	10.	8.	0.86	0.86	0.23	0.86	0.23	17.0	7.87	627.2	4	5.0
GTSUAR	33314	0.	99.	17.	0.	-28.	66.	10.	8.	0.35	0.86	0.25	0.86	0.25	6.0	2.78	218.6	14	4.2
GTAC08	33314	0.	87.	32.	0.	-16.	51.	10.	6.	0.30	0.86	0.23	0.86	0.23	4.6	2.12	201.9	20	4.1
GTAC12	33314	0.	92.	20.	0.	-20.	63.	10.	8.	0.32	0.86	0.20	0.86	0.20	5.2	2.39	205.4	20	4.0
GTAC16	33314	0.	96.	11.	0.	-24.	72.	10.	9.	0.34	0.86	0.31	0.86	0.31	5.8	2.69	215.3	13	3.9
GTWC16	33314	0.	101.	8.	0.	-29.	75.	10.	9.	0.36	0.86	0.29	0.86	0.29	6.3	2.89	216.3	15	4.0
CC1626	33314	0.	105.	0.	0.	-33.	83.	10.	10.	0.59	0.86	0.32	0.86	0.32	7.4	3.42	240.2	10	4.3
CC1626	33314	0.	127.	0.	0.	-46.	114.	10.	14.	0.52	0.86	0.35	0.86	0.35	8.1	3.76	218.7	10	4.3
CC1622	33314	0.	103.	0.	0.	-31.	83.	10.	10.	0.57	0.86	0.34	0.86	0.34	7.0	3.25	233.5	12	4.2
CC1622	33314	0.	116.	0.	0.	-38.	103.	10.	12.	0.49	0.86	0.36	0.86	0.36	7.4	3.41	217.6	13	4.1
CC1222	33314	0.	102.	0.	0.	-30.	83.	10.	10.	0.56	0.86	0.34	0.86	0.34	6.7	3.11	224.9	13	4.1
CC1222	33314	0.	115.	0.	0.	-37.	102.	10.	12.	0.49	0.86	0.36	0.86	0.36	7.0	3.25	208.9	14	4.0
CC0822	33314	0.	98.	2.	0.	-25.	81.	10.	10.	0.45	0.86	0.35	0.86	0.35	6.3	2.89	220.1	17	3.9
ST1015	33314	0.	136.	0.	0.	-64.	83.	10.	10.	0.65	0.86	0.12	0.86	0.12	7.9	3.66	198.8	0	5.3
ST1015	33314	0.	3077.	0.	0.	-2187.	2021.	10.	344.	5.82	0.86	0.17	0.86	0.17	99.7	46.03	110.6	0	43.0
ST1010	33314	0.	128.	0.	0.	-56.	83.	10.	10.	0.59	0.86	0.17	0.86	0.17	7.3	3.38	195.2	1	4.9
ST1010	33314	0.	302.	0.	0.	-177.	261.	10.	32.	0.79	0.86	0.22	0.86	0.22	12.9	5.96	145.9	0	6.7
ST1015	33314	0.	124.	0.	0.	-53.	83.	10.	10.	0.58	0.86	0.20	0.86	0.20	7.0	3.22	191.7	4	4.8
ST1015	33314	0.	190.	0.	0.	-97.	153.	10.	19.	0.58	0.86	0.23	0.86	0.23	8.8	4.08	159.1	0	5.3
DEADV3	33314	0.	117.	0.	0.	-46.	83.	10.	10.	0.63	0.86	0.24	0.86	0.24	9.8	4.53	205.1	2	4.9

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	\$/KW EVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG
DEADV3	33314	0.	194.	0.	0.	-95.	173.	10.	21.	0.68	0.86	0.29	14.8	6.85	260.5	0	5.7	1.20 122
DEH1PM	33314	0.	96.	9.	0.	-24.	74.	10.	9.	0.49	0.86	0.32	8.5	3.94	312.2	10	4.3	0.91 131
DESOA3	33314	123.	0.	0.	-123.	72.	83.	10.	10.	0.66	0.86	0.20	10.6	4.87	292.3	0	6.0	1.26 133
DESOA3	33314	233.	0.	0.	-233.	107.	202.	10.	25.	0.86	0.86	0.25	21.1	9.72	308.8	0	8.4	1.78 126
DESOA3	33314	0.	123.	0.	0.	-51.	83.	10.	10.	0.66	0.86	0.20	10.6	4.87	292.3	0	5.2	1.10 129
DESOA3	33314	0.	233.	0.	0.	-125.	202.	10.	25.	0.86	0.86	0.25	21.1	9.72	308.8	0	7.0	1.46 119
GTSOAD	33314	87.	7.	22.	-87.	65.	61.	10.	7.	0.31	0.86	0.26	4.8	2.20	187.4	10	4.6	0.96 132
GTRA08	33314	105.	0.	0.	-105.	72.	83.	10.	10.	0.50	0.86	0.32	7.7	3.54	248.8	2	4.9	1.03 146
GTRA08	33314	119.	0.	0.	-119.	78.	102.	10.	12.	0.42	0.86	0.34	8.1	3.72	231.8	2	4.9	1.04 137
GTRA12	33314	104.	0.	0.	-104.	72.	83.	10.	10.	0.49	0.86	0.33	7.6	3.53	250.7	3	4.8	1.02 147
GTRA12	33314	115.	0.	0.	-115.	77.	99.	10.	12.	0.41	0.86	0.35	8.0	3.67	235.6	3	4.8	1.02 137
GTRA16	33314	104.	0.	0.	-104.	72.	83.	10.	10.	0.49	0.86	0.33	7.9	3.65	260.3	3	4.8	1.02 147
GTRA16	33314	110.	0.	0.	-110.	75.	93.	10.	11.	0.41	0.86	0.34	8.0	3.71	248.7	4	4.8	1.02 137
GTR200	33314	99.	2.	6.	-99.	70.	77.	10.	9.	0.36	0.86	0.30	6.4	2.93	218.3	6	4.6	0.93 135
GTR212	33314	103.	0.	1.	-103.	72.	82.	10.	10.	0.38	0.86	0.32	6.9	3.16	226.3	6	4.6	0.98 136
GTR216	33314	103.	0.	0.	-103.	72.	83.	10.	10.	0.43	0.86	0.33	7.2	3.34	239.9	5	4.7	0.99 148
GTR216	33314	104.	0.	0.	-104.	72.	84.	10.	10.	0.39	0.86	0.34	7.2	3.31	236.0	6	4.6	0.98 137
GTRW08	33314	113.	0.	0.	-113.	72.	83.	10.	10.	0.53	0.86	0.27	7.9	3.67	239.6	0	5.2	1.10 141
GTRW08	33314	144.	0.	0.	-144.	83.	122.	10.	15.	0.46	0.86	0.30	9.0	4.16	213.7	0	5.5	1.16 132
GTRW12	33314	110.	0.	0.	-110.	72.	83.	10.	10.	0.52	0.86	0.29	7.9	3.67	246.2	0	5.1	1.08 143
GTRW12	33314	141.	0.	0.	-141.	84.	123.	10.	15.	0.46	0.86	0.32	9.1	4.19	223.0	0	5.3	1.13 134
GTRW16	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.52	0.86	0.29	8.2	3.77	254.7	0	5.1	1.08 143
GTRW16	33314	133.	0.	0.	-133.	81.	114.	10.	14.	0.45	0.86	0.32	9.0	4.16	231.7	0	5.3	1.11 134
GTR308	33314	116.	0.	0.	-116.	72.	83.	10.	10.	0.48	0.86	0.25	7.2	3.30	210.3	0	5.2	1.10 140
GTR308	33314	124.	0.	0.	-124.	75.	93.	10.	11.	0.40	0.86	0.26	7.2	3.33	197.9	0	5.2	1.10 130
GTR312	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.49	0.86	0.30	7.3	3.38	230.3	0	4.9	1.05 144
GTR312	33314	121.	0.	0.	-121.	77.	99.	10.	12.	0.41	0.86	0.31	7.5	3.48	213.6	1	5.0	1.05 135
GTR316	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.49	0.86	0.30	7.6	3.52	239.1	0	5.0	1.08 144
GTR316	33314	120.	0.	0.	-120.	76.	98.	10.	12.	0.41	0.86	0.31	7.8	3.62	223.3	0	5.0	1.06 134
FCPAD3	33314	120.	0.	0.	-120.	72.	83.	10.	10.	1.32	0.86	0.23	8.5	3.91	241.9	0	6.3	1.33 140
FCPAD3	33314	235.	0.	0.	-235.	111.	215.	10.	26.	2.77	0.86	0.28	16.4	7.56	237.6	0	9.7	2.04 137
FCNCDS	33314	108.	0.	0.	-108.	72.	83.	10.	10.	1.24	0.86	0.30	8.6	3.96	272.0	0	5.8	1.23 147
FCNCDS	33314	172.	0.	0.	-172.	98.	170.	10.	21.	2.09	0.86	0.36	14.0	6.44	277.4	0	7.5	1.59 142

DATE 06/08/75
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-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NOCOGEN - COGEN**										POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	\$/KW	ROI	LEVL
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD	POWER	NW	POWER		/HEAT	RATIO	*10**6	COST	EQVL	(%)	CHRG
ONOCOEN	33315	0.	116.	152.	0.	0.	0.	19.	0.	0.27	1.05	0.	1.05	0.	2.8	1.00	135.7	0	8.0
STM141	33315	0.	121.	126.	0.	-5.	26.	19.	3.	0.39	1.05	0.08	1.05	0.08	4.6	1.64	188.7	13	7.7
STM141	33315	0.	38.	209.	0.	78.	-57.	19.	3.	0.68	1.05	0.00	1.05	0.00	8.6	3.03	353.7	11	7.5
STM141	33315	0.	38.	209.	0.	78.	-57.	19.	3.	0.60	1.05	0.00	1.05	0.00	7.1	2.53	290.7	15	7.2
STM088	33315	0.	119.	134.	0.	-3.	18.	19.	2.	0.38	1.05	0.08	1.05	0.08	4.0	1.42	171.2	13	7.8
STM088	33315	0.	40.	213.	0.	76.	-61.	19.	2.	0.65	1.05	0.06	1.05	0.06	7.9	2.82	339.2	10	7.6
STM088	33315	0.	40.	213.	0.	76.	-61.	19.	2.	0.58	1.05	0.06	1.05	0.06	6.7	2.37	285.8	14	7.4
PFBSTM	33315	0.	32.	201.	0.	84.	-49.	19.	5.	0.83	1.05	0.13	1.05	0.13	11.1	3.96	407.1	10	7.4
TISTMT	33315	0.	128.	92.	0.	-12.	60.	19.	7.	0.88	1.05	0.18	1.05	0.18	23.3	8.30	788.0	0	9.5
TISTMT	33315	0.	27.	193.	0.	89.	-41.	19.	7.	1.24	1.05	0.18	1.05	0.18	29.7	10.57	1004.2	0	9.3
TIHRS0	33315	0.	129.	120.	0.	-13.	31.	19.	4.	0.72	1.05	0.07	1.05	0.07	20.8	7.40	763.0	0	9.8
TIHRS0	33315	0.	36.	213.	0.	80.	-61.	19.	4.	1.05	1.05	0.07	1.05	0.07	26.8	9.54	984.2	0	9.7
STIRL	33315	126.	23.	76.	-126.	93.	76.	19.	9.	0.45	1.05	0.16	1.05	0.16	7.2	2.58	196.6	0	8.2
STIRL	33315	0.	148.	76.	0.	-32.	76.	19.	9.	0.45	1.05	0.16	1.05	0.16	7.3	2.58	196.9	13	7.4
STIRL	33315	0.	23.	201.	0.	93.	-50.	19.	9.	0.80	1.05	0.16	1.05	0.16	13.1	4.65	354.6	12	6.9
HEGT05	33315	0.	0.	240.	0.	116.	-89.	19.	19.	1.87	1.05	0.10	1.05	0.10	44.1	15.71	627.5	0	10.5
HEGT05	33315	0.	0.	507.	0.	188.	-115.	19.	48.	2.78	1.05	0.12	1.05	0.12	77.1	27.44	518.1	0	14.1
HEGT60	33315	0.	7.	230.	0.	109.	-78.	19.	16.	1.35	1.05	0.12	1.05	0.12	34.9	12.43	576.9	1	9.3
HEGT00	33315	0.	30.	223.	0.	86.	-71.	19.	6.	0.83	1.05	0.06	1.05	0.06	19.1	6.80	530.2	2	8.4
FCMCCL	33315	0.	18.	186.	0.	98.	-34.	19.	11.	1.14	1.05	0.24	1.05	0.24	22.4	7.99	604.0	5	7.8
FCSTCL	33315	0.	5.	166.	0.	111.	-14.	19.	16.	1.41	1.05	0.36	1.05	0.36	26.6	9.47	608.9	7	7.4
IGOTST	33315	0.	18.	198.	0.	98.	-46.	19.	11.	1.04	1.05	0.20	1.05	0.20	22.2	7.92	546.4	5	7.8
GTSOAR	33315	0.	157.	53.	0.	-41.	99.	19.	12.	0.43	1.05	0.21	1.05	0.21	8.0	2.86	193.5	15	7.1
GTAC08	33315	0.	139.	76.	0.	-23.	76.	19.	9.	0.37	1.05	0.20	1.05	0.20	6.1	2.19	179.6	22	7.0
GTAC12	33315	0.	146.	57.	0.	-30.	95.	19.	12.	0.40	1.05	0.24	1.05	0.24	7.0	2.49	184.6	22	6.8
GTAC16	33315	0.	152.	44.	0.	-36.	108.	19.	13.	0.43	1.05	0.27	1.05	0.27	7.9	2.81	194.2	20	6.7
GTWC16	33315	0.	160.	39.	0.	-44.	112.	19.	14.	0.44	1.05	0.25	1.05	0.25	8.3	2.96	191.5	17	6.0
CC1626	33315	0.	177.	0.	0.	-61.	152.	19.	19.	0.71	1.05	0.34	1.05	0.34	10.6	3.78	204.4	14	6.0
CC1626	33315	0.	190.	0.	0.	-69.	171.	19.	21.	0.63	1.05	0.35	1.05	0.35	10.8	3.86	194.2	15	6.7
CC1622	33315	0.	173.	0.	0.	-57.	152.	19.	19.	0.64	1.05	0.36	1.05	0.36	10.1	3.58	198.7	17	6.5
CC1622	33315	0.	174.	0.	0.	-57.	153.	19.	19.	0.60	1.05	0.36	1.05	0.36	10.0	3.56	196.3	17	6.5
CC1222	33315	0.	172.	0.	0.	-56.	152.	19.	19.	0.62	1.05	0.36	1.05	0.36	9.6	3.40	189.7	18	6.4
CC1222	33315	0.	172.	0.	0.	-56.	152.	19.	19.	0.59	1.05	0.36	1.05	0.36	9.5	3.38	188.3	19	6.4
CC0822	33315	0.	155.	31.	0.	-39.	121.	19.	15.	0.54	1.05	0.31	1.05	0.31	8.3	2.97	195.6	19	6.6
STIG15	33315	0.	234.	0.	0.	-118.	152.	19.	19.	0.88	1.05	0.13	1.05	0.13	11.6	4.14	169.8	0	8.6
STIG15	33315	0.	4615.	0.	0.	-3281.	4231.	19.	515.	8.40	1.05	0.17	1.05	0.17	145.9	51.97	107.9	0	64.3
STIG10	33315	0.	219.	0.	0.	-103.	152.	19.	19.	0.79	1.05	0.18	1.05	0.18	10.7	3.81	166.8	4	8.0
STIG10	33315	0.	453.	0.	0.	-265.	391.	19.	48.	1.03	1.05	0.22	1.05	0.22	17.4	6.19	131.0	0	10.3
STIG1S	33315	0.	212.	0.	0.	-96.	152.	19.	19.	0.76	1.05	0.21	1.05	0.21	10.1	3.61	162.9	7	7.7
STIG1S	33315	0.	235.	0.	0.	-145.	230.	19.	28.	0.75	1.05	0.23	1.05	0.23	11.9	4.22	142.2	2	8.2
DEADV3	33315	0.	200.	0.	0.	-84.	152.	19.	19.	0.82	1.05	0.25	1.05	0.25	14.7	5.25	251.7	5	7.9
DEADV3	33315	0.	293.	0.	0.	-144.	261.	19.	32.	0.91	1.05	0.29	1.05	0.29	22.0	7.83	256.3	0	9.0
DENTPM	33315	0.	152.	42.	0.	-37.	110.	19.	13.	0.60	1.05	0.27	1.05	0.27	11.1	3.96	270.7	11	7.1

GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																		
COGENERATION CASE **NOCOGEN - COGEN**																		
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVL CHRG	NORM WRTH ENRG
								MW	MW		RATIO		*10**6			(%)		
DESOA3	33315	210.	0.	0.	-210.	116.	152.	19.	19.	0.91	1.05	0.21	17.9	6.36	290.0	0	9.9	1.25 132
DESOA3	33315	351.	0.	0.	-351.	162.	305.	19.	37.	1.17	1.05	0.25	31.3	11.16	304.8	0	13.1	1.65 126
DESOA3	33315	0.	210.	0.	0.	-94.	152.	19.	19.	0.91	1.05	0.21	17.9	6.36	290.0	0	8.6	1.08 128
DESOA3	33315	0.	351.	0.	0.	-189.	305.	19.	37.	1.17	1.05	0.25	31.3	11.16	304.8	0	10.9	1.37 119
GTSOAB	33315	130.	18.	60.	-130.	98.	92.	19.	11.	0.38	1.05	0.22	6.4	2.27	167.0	11	7.6	0.96 126
GTRA08	33315	177.	0.	0.	-177.	116.	152.	19.	19.	0.57	1.05	0.34	10.8	3.86	208.4	7	7.7	0.97 146
GTRA08	33315	178.	0.	0.	-178.	116.	153.	19.	19.	0.52	1.05	0.34	10.8	3.84	206.0	7	7.7	0.97 146
GTRA12	33315	173.	1.	3.	-173.	115.	149.	19.	18.	0.52	1.05	0.34	10.7	3.81	210.8	8	7.6	0.96 135
GTRA16	33315	166.	4.	13.	-166.	112.	139.	19.	17.	0.52	1.05	0.32	10.8	3.84	222.3	7	7.7	0.97 133
GTR208	33315	149.	11.	37.	-149.	105.	115.	19.	14.	0.45	1.05	0.26	8.5	3.03	194.4	8	7.7	0.97 128
GTR212	33315	155.	9.	29.	-155.	107.	123.	19.	15.	0.47	1.05	0.28	9.2	3.27	201.6	7	7.7	0.97 130
GTR216	33315	156.	8.	26.	-156.	108.	126.	19.	15.	0.48	1.05	0.29	9.6	3.43	211.2	8	7.7	0.97 131
GTRV08	33315	192.	0.	0.	-192.	116.	152.	19.	19.	0.65	1.05	0.28	11.4	4.05	202.3	0	8.4	1.05 140
GTRV08	33315	216.	0.	0.	-216.	125.	183.	19.	22.	0.57	1.05	0.30	12.0	4.26	188.5	0	8.5	1.07 131
GTRV12	33315	186.	0.	0.	-186.	116.	152.	19.	19.	0.65	1.05	0.30	11.4	4.05	208.5	2	8.2	1.03 142
GTRV12	33315	212.	0.	0.	-212.	126.	185.	19.	23.	0.57	1.05	0.32	12.0	4.28	194.0	1	8.3	1.05 133
GTRV16	33315	185.	0.	0.	-185.	116.	152.	19.	19.	0.64	1.05	0.31	11.6	4.15	214.9	3	8.2	1.03 143
GTRV16	33315	200.	0.	0.	-200.	122.	171.	19.	21.	0.56	1.05	0.32	11.9	4.25	204.1	2	8.2	1.03 133
GTR308	33315	187.	4.	12.	-187.	112.	140.	19.	17.	0.50	1.05	0.24	9.8	3.43	175.6	0	8.3	1.05 126
GTR312	33315	181.	1.	3.	-181.	115.	149.	19.	18.	0.50	1.05	0.31	10.0	3.56	188.6	6	7.8	0.98 133
GTR316	33315	180.	2.	5.	-180.	114.	147.	19.	18.	0.51	1.05	0.30	10.4	3.69	196.9	5	7.9	0.99 132
FCPADS	33315	203.	0.	0.	-203.	116.	152.	19.	19.	2.20	1.05	0.24	13.7	4.87	229.4	0	10.6	1.33 140
FCPADS	33315	353.	0.	0.	-353.	167.	323.	19.	39.	4.09	1.05	0.28	24.0	8.55	232.1	0	15.0	1.88 136
FCMCDS	33315	182.	0.	0.	-182.	116.	152.	19.	19.	2.07	1.05	0.32	14.2	5.06	266.9	0	9.7	1.23 147
FCMCDS	33315	258.	0.	0.	-258.	147.	255.	19.	31.	3.09	1.05	0.36	20.7	7.37	274.3	0	11.8	1.40 141

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																	
COGENERATION CASE **NOCOGEN - COGEN**																	
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	\$/KW EQVL	ROI	LEVL CHRG
														*10**6		(%)	NORM WRTH ENRG
ONOCGN	33316	0.	110.	131.	0.	0.	0.	16.	0.	0.27	0.91	0.	2.8	1.00	135.7	0	7.2
STM141	33316	0.	115.	105.	0.	-5.	26.	16.	3.	0.39	0.91	0.09	4.6	1.64	188.7	13	7.0
STM141	33316	0.	31.	189.	0.	78.	-57.	16.	3.	0.68	0.91	0.09	8.6	3.08	353.7	11	6.7
STM141	33316	0.	31.	189.	0.	78.	-57.	16.	3.	0.60	0.91	0.09	7.1	2.53	290.7	15	6.5
STH080	33316	0.	113.	113.	0.	-3.	18.	16.	2.	0.39	0.91	0.06	4.0	1.42	171.2	13	7.1
STH080	33316	0.	34.	193.	0.	76.	-61.	16.	2.	0.65	0.91	0.06	7.9	2.82	339.2	10	6.8
STM088	33316	0.	34.	193.	0.	76.	-61.	16.	2.	0.58	0.91	0.06	6.7	2.37	285.8	14	6.6
PFBSTM	33316	0.	26.	180.	0.	84.	-49.	16.	5.	0.83	0.91	0.15	11.1	3.96	407.1	10	6.6
TISTNT	33316	0.	122.	71.	0.	-12.	60.	16.	7.	0.88	0.91	0.20	23.3	8.30	788.0	0	8.7
TISTNT	33316	0.	21.	172.	0.	89.	-41.	16.	7.	1.24	0.91	0.20	29.7	10.57	1004.2	0	8.6
TIHRS0	33316	0.	123.	100.	0.	-13.	31.	16.	4.	0.72	0.91	0.08	20.8	7.40	763.0	0	9.1
TIHRS0	33316	0.	30.	193.	0.	80.	-61.	16.	4.	1.05	0.91	0.08	26.8	9.54	984.2	0	9.0
STIRL	33316	126.	16.	55.	-126.	93.	76.	16.	9.	0.45	0.91	0.18	7.2	2.58	196.6	0	7.5
STIRL	33316	0.	142.	55.	0.	-32.	76.	16.	9.	0.45	0.91	0.18	7.3	2.58	196.9	13	6.7
STIRL	33316	0.	16.	181.	0.	93.	-50.	16.	9.	0.80	0.91	0.18	13.1	4.65	354.6	12	6.2
HEGT05	33316	0.	0.	217.	0.	110.	-86.	16.	16.	1.75	0.91	0.10	40.5	14.43	637.3	0	9.6
HEGT05	33316	0.	0.	507.	0.	188.	-115.	16.	48.	2.78	0.91	0.12	77.1	27.44	518.1	0	13.7
HEGT00	33316	0.	1.	209.	0.	109.	-78.	16.	16.	1.35	0.91	0.13	34.9	12.43	576.9	1	8.5
HEGT00	33316	0.	24.	202.	0.	86.	-71.	16.	6.	0.83	0.91	0.06	19.1	6.80	530.2	2	7.7
FCMCCL	33316	0.	12.	165.	0.	90.	-34.	16.	11.	1.14	0.91	0.27	22.4	7.99	604.0	5	7.0
FCSTCL	33316	0.	0.	147.	0.	110.	-16.	16.	16.	1.50	0.91	0.39	26.7	9.53	621.2	6	6.8
FCSTCL	33316	0.	0.	149.	0.	111.	-14.	16.	16.	1.41	0.91	0.39	26.6	9.47	608.9	7	6.7
IGOTST	33316	0.	11.	177.	0.	90.	-46.	16.	11.	1.04	0.91	0.22	22.2	7.92	546.4	5	7.1
GTSOAR	33316	0.	151.	33.	0.	-41.	99.	16.	12.	0.43	0.91	0.24	8.0	2.86	193.5	15	6.4
GTAC00	33316	0.	133.	56.	0.	-23.	76.	16.	9.	0.37	0.91	0.22	6.1	2.19	179.6	22	6.2
GTAC12	33316	0.	140.	36.	0.	-30.	95.	16.	12.	0.40	0.91	0.27	7.0	2.49	184.6	22	6.0
GTAC16	33316	0.	146.	24.	0.	-36.	108.	16.	13.	0.43	0.91	0.30	7.9	2.81	194.2	20	5.9
GTVC16	33316	0.	154.	19.	0.	-44.	112.	16.	14.	0.44	0.91	0.28	8.3	2.96	191.5	17	6.1
CC1626	33316	0.	163.	0.	0.	-53.	131.	16.	16.	0.71	0.91	0.32	10.0	3.58	210.4	13	6.3
CC1626	33316	0.	190.	0.	0.	-69.	171.	16.	21.	0.63	0.91	0.35	10.8	3.86	194.2	13	6.2
CC1622	33316	0.	159.	0.	0.	-49.	131.	16.	16.	0.68	0.91	0.34	9.7	3.44	207.5	15	6.1
CC1622	33316	0.	174.	0.	0.	-57.	153.	16.	19.	0.60	0.91	0.36	10.0	3.56	196.3	15	6.0
CC1222	33316	0.	150.	0.	0.	-48.	131.	16.	16.	0.67	0.91	0.34	9.2	3.29	199.6	16	6.1
CC1222	33316	0.	172.	0.	0.	-56.	152.	16.	19.	0.59	0.91	0.36	9.5	3.38	188.3	16	5.9
CC0622	33316	0.	149.	11.	0.	-39.	121.	16.	15.	0.54	0.91	0.34	8.3	2.97	195.6	19	5.9
STIG15	33316	0.	212.	0.	0.	-102.	131.	16.	16.	0.82	0.91	0.12	10.8	3.84	173.7	0	7.8
STIG15	33316	0.	4615.	0.	0.	-3281.	4231.	16.	515.	8.40	0.91	0.17	145.9	51.97	107.9	0	63.9
STIG10	33316	0.	199.	0.	0.	-89.	131.	16.	16.	0.75	0.91	0.18	10.0	3.55	170.9	4	7.3
STIG10	33316	0.	453.	0.	0.	-265.	391.	16.	48.	1.03	0.91	0.22	17.4	6.19	131.0	0	9.9
STIG15	33316	0.	193.	0.	0.	-83.	131.	16.	16.	0.72	0.91	0.20	9.5	3.38	167.7	6	7.1
STIG15	33316	0.	285.	0.	0.	-145.	230.	16.	26.	0.75	0.91	0.23	11.9	4.22	142.2	0	7.8
DEADV3	33316	0.	182.	0.	0.	-72.	131.	16.	16.	0.78	0.91	0.24	13.3	4.72	248.2	5	7.2
DEADV3	33316	0.	293.	0.	0.	-144.	261.	16.	32.	0.91	0.91	0.29	22.0	7.83	256.3	0	8.6

GENERAL ELECTRIC COMPANY
 COGENERATION TECHNOLOGY ALTERNATIVES STUDY
 REPORT 5.2
 SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

-----FUEL USE IN BTU*10**6-----																			
COGENERATION CASE **NO COGEN - COGEN**																			
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	S/KW EQVL	ROI	LEVL CHRG	NORM ENRG	WRTH
																(%)			
																*10**6			
DEUTM	33316	0.	146.	21.	0.	-37.	110.	16.	13.	0.60	0.91	0.31	11.1	3.96	270.7	11	6.4	0.89	120
DESOA3	33316	191.	0.	0.	-191.	110.	131.	16.	16.	0.85	0.91	0.21	16.0	5.69	284.6	0	9.0	1.25	132
DESOA3	33316	351.	0.	0.	-351.	162.	305.	16.	37.	1.17	0.91	0.25	31.3	11.16	304.8	0	12.7	1.76	126
DESOA3	33316	0.	191.	0.	0.	-82.	131.	16.	16.	0.85	0.91	0.21	16.0	5.69	284.6	0	7.8	1.09	120
DESOA3	33316	0.	351.	0.	0.	-189.	305.	16.	37.	1.17	0.91	0.25	31.3	11.16	304.8	0	10.5	1.45	118
QTSOAO	33316	130.	12.	40.	-130.	98.	92.	16.	11.	0.38	0.91	0.25	6.4	2.27	167.0	11	6.9	0.96	130
QTRA08	33316	163.	0.	0.	-163.	110.	131.	16.	16.	0.61	0.91	0.32	10.4	3.71	218.0	5	7.2	1.00	145
QTRA08	33316	178.	0.	0.	-178.	116.	153.	16.	19.	0.52	0.91	0.34	10.8	3.84	206.0	4	7.3	1.00	136
QTRA12	33316	161.	0.	0.	-161.	110.	131.	16.	16.	0.60	0.91	0.33	10.4	3.72	221.2	5	7.2	0.99	146
QTRA12	33316	173.	0.	0.	-173.	115.	149.	16.	18.	0.52	0.91	0.34	10.7	3.81	210.8	5	7.2	0.99	136
QTRA16	33316	160.	0.	0.	-160.	110.	131.	16.	16.	0.59	0.91	0.34	10.8	3.83	229.2	5	7.2	0.99	146
QTRA16	33316	166.	0.	0.	-166.	112.	139.	16.	17.	0.52	0.91	0.34	10.8	3.84	222.3	6	7.1	0.99	136
QTR208	33316	149.	5.	16.	-149.	105.	115.	16.	14.	0.45	0.91	0.29	8.5	3.03	194.4	8	7.0	0.97	132
QTR212	33316	155.	2.	8.	-155.	107.	123.	16.	15.	0.47	0.91	0.31	9.2	3.27	201.6	7	7.0	0.97	134
QTR216	33316	156.	1.	5.	-156.	108.	126.	16.	15.	0.48	0.91	0.33	9.6	3.43	211.2	8	7.0	0.97	135
QTRV08	33316	175.	0.	0.	-175.	110.	131.	16.	16.	0.64	0.91	0.27	10.7	3.81	208.4	0	7.7	1.07	140
QTRV08	33316	216.	0.	0.	-216.	125.	183.	16.	22.	0.57	0.91	0.30	12.0	4.26	188.5	0	8.1	1.12	131
QTRV12	33316	171.	0.	0.	-171.	110.	131.	16.	16.	0.64	0.91	0.29	10.7	3.81	214.2	0	7.6	1.05	142
QTRV12	33316	212.	0.	0.	-212.	126.	185.	16.	23.	0.57	0.91	0.32	12.0	4.28	194.0	0	7.9	1.09	133
QTRV16	33316	169.	0.	0.	-169.	110.	131.	16.	16.	0.64	0.91	0.30	11.0	3.92	221.5	1	7.6	1.05	142
QTRV16	33316	200.	0.	0.	-200.	122.	171.	16.	21.	0.56	0.91	0.32	11.9	4.25	204.1	0	7.7	1.07	133
QTR308	33316	180.	0.	0.	-180.	110.	131.	16.	16.	0.57	0.91	0.25	9.7	3.44	182.7	0	7.7	1.07	139
QTR308	33316	187.	0.	0.	-187.	112.	140.	16.	17.	0.50	0.91	0.26	9.6	3.43	175.6	0	7.7	1.07	129
QTR312	33316	168.	0.	0.	-168.	110.	131.	16.	16.	0.59	0.91	0.30	9.8	3.51	200.0	3	7.3	1.02	144
QTR312	33316	181.	0.	0.	-181.	115.	149.	16.	18.	0.50	0.91	0.31	10.0	3.56	188.6	3	7.3	1.02	134
QTR316	33316	169.	0.	0.	-169.	110.	131.	16.	16.	0.60	0.91	0.30	10.2	3.65	207.5	3	7.4	1.03	143
QTR316	33316	180.	0.	0.	-180.	114.	147.	16.	18.	0.51	0.91	0.31	10.4	3.69	196.9	3	7.4	1.02	133
FCPADS	33316	186.	0.	0.	-186.	110.	131.	16.	16.	1.95	0.91	0.23	12.4	4.42	220.3	0	9.6	1.33	139
FCPADS	33316	353.	0.	0.	-353.	167.	323.	16.	39.	4.09	0.91	0.28	24.0	8.55	232.1	0	14.5	2.01	136
FCMCDS	33316	167.	0.	0.	-167.	110.	131.	16.	16.	1.85	0.91	0.31	12.9	4.59	263.7	0	8.9	1.23	146
FCMCDS	33316	250.	0.	0.	-258.	147.	255.	16.	31.	3.09	0.91	0.36	20.7	7.37	274.3	0	11.4	1.57	141

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

**5.4 - ECONOMIC SENSITIVITY REPORT FOR SELECTED
PROCESS-ECS MATCHES**

DATE 06/07/79
18SE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

PAGE 1

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100							
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVENUE TOTAL NORML	PRESNT		ROI	GROSS											
SYSTEM	FUEL	REQD	GEN/	/HEAT COST													
		MW	REQD	RATIO *10**6	INSNC	ELEC	WORTH	%	PAY								
							15%		BACK								
10101 ONOCGN	RESIDUA	10.	0.	0.	0.25	4.8	0.35	5.15	0.38	1.27	3.08	0.	5.23	1.000	0.	0	0
10101 STM141	RESIDUA	10.	0.99	0.439	0.25	8.3	0.63	0.27	0.57	2.42	0.03	0.	3.93	0.751	2.	25	4
10101 STM141	COAL-FG	10.	0.99	0.439	0.25	16.2	1.23	0.52	1.08	1.41	0.03	0.	4.27	0.816	-3.	10	8
10101 STM141	COAL-AF	10.	0.99	0.439	0.25	12.5	0.95	0.40	0.96	1.41	0.03	0.	3.74	0.715	1.	16	6
10101 STM088	RESIDUA	10.	0.75	0.333	0.25	7.4	0.56	0.24	0.54	2.15	0.76	0.	4.26	0.813	2.	24	4
10101 STM088	COAL-FG	10.	0.75	0.333	0.25	14.9	1.13	0.48	1.02	1.25	0.76	0.	4.65	0.888	-3.	9	9
10101 STM088	COAL-AF	10.	0.75	0.333	0.25	11.8	0.89	0.38	0.92	1.25	0.76	0.	4.20	0.803	-0.	14	7
10101 PFBSTM	COAL-PF	10.	1.00	0.436	0.25	20.8	1.58	0.67	1.59	1.43	0.	0.	5.27	1.007	-8.	5	14
10101 PFBSTM	COAL-PF	10.	1.52	0.484	0.25	19.9	1.51	0.64	1.45	1.79	0.	-0.96	4.44	0.849	-5.	8	10
10101 TISTMT	RESIDUA	10.	1.00	0.187	0.25	29.6	2.25	0.96	1.27	3.55	0.	0.	8.02	1.533	-21.	0	93
10101 TISTMT	RESIDUA	10.	0.54	0.235	0.25	20.5	1.55	0.66	1.01	1.91	1.42	0.	6.56	1.254	-12.	0	999
10101 TISTMT	COAL	10.	1.00	0.436	0.25	41.4	3.14	1.34	1.96	1.43	0.	0.	7.88	1.505	-26.	0	999
10101 TISTMT	COAL	10.	1.99	0.510	0.25	57.1	4.33	1.84	2.15	2.12	0.	-1.83	8.61	1.645	-36.	0	999
10101 TIHRSG	RESIDUA	10.	0.23	0.083	0.25	17.5	1.30	0.55	0.84	1.62	2.37	0.	6.68	1.277	-11.	0	88
10101 TIHRSG	COAL	10.	0.85	0.306	0.25	48.1	3.65	1.55	1.76	1.49	0.47	0.	8.92	1.705	-32.	0	999
10101 STIRL	DISTILL	10.	1.00	0.148	0.25	11.1	0.82	0.35	0.77	4.56	0.	0.	6.51	1.243	-7.	0	65
10101 STIRL	DISTILL	10.	0.63	0.201	0.25	9.3	0.69	0.29	0.70	2.86	1.15	0.	5.69	1.087	-4.	0	160
10101 STIRL	RESIDUA	10.	1.00	0.148	0.25	11.1	0.83	0.35	0.77	3.72	0.	0.	5.67	1.083	-4.	0	999
10101 STIRL	RESIDUA	10.	0.63	0.201	0.25	9.3	0.69	0.29	0.70	2.33	1.15	0.	5.16	0.987	-2.	6	12
10101 STIRL	COAL	10.	1.00	0.321	0.25	21.9	1.62	0.69	1.44	1.72	0.	0.	5.47	1.046	-9.	4	16
10101 STIRL	COAL	10.	2.32	0.385	0.25	28.1	2.08	0.88	1.43	3.02	0.	-2.43	4.98	0.951	-10.	6	12
10101 HEGT85	COAL-AF	10.	1.00	0.178	0.25	35.4	2.68	1.14	1.69	2.09	0.	0.	7.60	1.453	-22.	0	999
10101 HEGT85	COAL-AF	10.	6.10	0.235	0.25	91.7	6.96	2.96	3.34	8.97	0.	-9.43	12.80	2.446	-66.	0	***
10101 HEGT60	COAL-AF	10.	1.00	0.191	0.25	34.0	2.58	1.10	1.66	2.05	0.	0.	7.38	1.411	-21.	0	999
10101 HEGT60	COAL-AF	10.	3.00	0.236	0.25	55.1	4.18	1.78	2.12	4.69	0.	-3.70	9.08	1.735	-36.	0	999
10101 HEGT00	COAL-AF	10.	1.00	0.186	0.25	31.2	2.37	1.01	1.56	2.07	0.	0.	7.01	1.339	-18.	0	999
10101 HEGT00	COAL-AF	10.	1.40	0.203	0.25	33.4	2.53	1.08	1.41	2.60	0.	-0.74	6.88	1.315	-19.	0	999
10101 FCMCCL	COAL	10.	1.00	0.403	0.25	29.8	2.32	0.99	1.72	3.56	0.	0.	8.58	1.640	-23.	0	81
10101 FCMCCL	COAL	10.	2.57	0.092	0.25	40.3	3.13	1.33	2.09	4.88	0.	-2.90	8.53	1.629	-28.	0	874
10101 FCSTCL	COAL	10.	1.00	0.388	0.25	29.0	2.25	0.96	1.73	3.52	0.	0.	8.47	1.618	-22.	0	81
10101 FCSTCL	COAL	10.	4.18	0.266	0.25	50.3	3.91	1.66	2.65	6.06	0.	-5.87	8.41	1.608	-33.	0	999
10101 IGGTST	COAL	10.	1.00	0.465	0.25	28.9	2.25	0.96	1.61	3.72	0.	0.	8.53	1.631	-22.	0	78
10101 IGGTST	COAL	10.	2.95	0.065	0.25	40.4	3.14	1.34	1.64	5.65	0.	-3.60	8.18	1.563	-27.	0	999
10101 GTSOAR	RESIDUA	10.	1.00	0.216	0.25	10.6	0.78	0.33	0.71	3.42	0.	0.	5.25	1.003	-3.	5	14
10101 GTSOAR	RESIDUA	10.	0.71	0.238	0.25	9.6	0.71	0.30	0.67	2.43	0.89	0.	5.00	0.956	-2.	5	10
10101 GTAC08	RESIDUA	10.	1.00	0.158	0.25	9.6	0.71	0.30	0.68	3.68	0.	0.	5.37	1.026	-3.	2	20
10101 GTAC08	RESIDUA	10.	0.57	0.215	0.25	8.3	0.62	0.26	0.63	2.10	1.32	0.	4.93	0.942	-1.	11	8
10101 GTAC12	RESIDUA	10.	1.00	0.255	0.25	9.8	0.72	0.31	0.68	3.26	0.	0.	4.97	0.950	-2.	9	10
10101 GTAC12	RESIDUA	10.	0.71	0.265	0.25	8.8	0.65	0.28	0.65	2.30	0.90	0.	4.78	0.914	-1.	12	8
10101 GTAC16	RESIDUA	10.	1.00	0.296	0.25	10.1	0.75	0.32	0.69	3.07	0.	0.	4.83	0.924	-1.	10	9
10101 GTAC16	RESIDUA	10.	0.79	0.295	0.25	9.4	0.70	0.30	0.66	2.44	0.63	0.	4.73	0.904	-1.	12	8
10101 GTWC16	RESIDUA	10.	1.00	0.279	0.25	10.4	0.77	0.33	0.70	3.15	0.	0.	4.95	0.947	-2.	9	10
10101 GTWC16	RESIDUA	10.	0.85	0.280	0.25	9.9	0.73	0.31	0.68	2.67	0.48	0.	4.87	0.930	-1.	10	9

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	LANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
10101 CC1626	RESIDUA	10.	1.00	0.331	0.25	10.7	0.81	0.34	0.80	2.92	0.	0.	4.87	0.931	-2.	9	9		
10101 CC1626	RESIDUA	10.	1.41	0.362	0.25	12.1	0.92	0.39	0.86	3.61	0.	-0.76	5.01	0.957	-3.	7	11		
10101 CC1622	RESIDUA	10.	1.00	0.347	0.25	10.4	0.79	0.33	0.79	2.85	0.	0.	4.76	0.910	-1.	10	8		
10101 CC1622	RESIDUA	10.	1.27	0.370	0.25	11.3	0.86	0.37	0.83	3.29	0.	-0.50	4.84	0.924	-2.	9	9		
10101 CC1222	RESIDUA	10.	1.00	0.350	0.25	10.1	0.77	0.33	0.78	2.84	0.	0.	4.71	0.901	-1.	11	9		
10101 CC1222	RESIDUA	10.	1.27	0.373	0.25	11.0	0.84	0.36	0.82	3.26	0.	-0.50	4.78	0.913	-2.	10	9		
10101 CC0822	RESIDUA	10.	1.00	0.375	0.25	10.2	0.78	0.33	0.78	2.73	0.	0.	4.62	0.883	-1.	12	8		
10101 CC0822	RESIDUA	10.	1.02	0.377	0.25	10.3	0.78	0.33	0.79	2.76	0.	-0.03	4.62	0.884	-1.	12	8		
10101 STIG15	RESIDUA	10.	1.00	0.123	0.25	10.7	0.79	0.34	0.81	3.83	0.	0.	5.77	1.102	-4.	0	999		
10101 STIG15	RESIDUA	10.	31.78	0.171	0.25	97.7	7.23	3.08	5.91	82.83	0.	-56.87	42.18	8.061	-160.	0	59		
10101 STIG10	RESIDUA	10.	1.00	0.176	0.25	10.2	0.76	0.32	0.77	3.60	0.	0.	5.45	1.041	-3.	1	24		
10101 STIG10	RESIDUA	10.	2.94	0.218	0.25	16.0	1.19	0.50	1.09	8.13	0.	-3.58	7.33	1.401	-12.	0	66		
10101 STIG1S	RESIDUA	10.	1.00	0.200	0.25	10.0	0.74	0.32	0.76	3.49	0.	0.	5.32	1.016	-3.	4	17		
10101 STIG1S	RESIDUA	10.	1.72	0.228	0.25	12.2	0.91	0.39	0.89	5.11	0.	-1.34	5.96	1.138	-6.	0	213		
10101 DEADV3	RESIDUA	10.	1.00	0.265	0.25	13.3	0.98	0.42	0.82	3.21	0.	0.	5.43	1.037	-5.	3	18		
10101 DEADV3	RESIDUA	10.	1.73	0.302	0.25	16.6	1.23	0.52	0.94	4.62	0.	-1.34	5.98	1.143	-8.	0	999		
10101 DEHTPM	RESIDUA	10.	1.00	0.351	0.25	13.0	0.97	0.41	0.84	2.83	0.	0.	5.05	0.966	-3.	6	11		
10101 DEHTPM	RESIDUA	10.	0.88	0.344	0.25	12.5	0.93	0.39	0.82	2.49	0.38	0.	5.01	0.957	-3.	7	11		
10101 DESO33	DISTILL	10.	1.00	0.228	0.25	13.9	1.03	0.44	0.84	4.14	0.	0.	6.44	1.231	-8.	0	77		
10101 DESO33	DISTILL	10.	1.97	0.266	0.25	21.3	1.58	0.67	1.08	6.64	0.	-1.79	8.18	1.563	-17.	0	66		
10101 DESO33	RESIDUA	10.	1.00	0.228	0.25	13.9	1.03	0.44	0.84	3.37	0.	0.	5.68	1.086	-6.	0	30		
10101 DESO33	RESIDUA	10.	1.97	0.266	0.25	21.3	1.58	0.67	1.08	5.41	0.	-1.79	6.96	1.329	-13.	0	108		
10101 GTSO33	DISTILL	10.	1.00	0.222	0.25	9.3	0.69	0.29	0.67	4.17	0.	0.	5.83	1.113	-4.	0	80		
10101 GTSO33	DISTILL	10.	0.68	0.244	0.25	8.4	0.62	0.27	0.64	2.82	1.00	0.	5.34	1.021	-2.	2	20		
10101 GTRA08	DISTILL	10.	1.00	0.344	0.25	11.0	0.82	0.35	0.72	3.51	0.	0.	5.39	1.030	-3.	2	19		
10101 GTRA08	DISTILL	10.	1.07	0.351	0.25	11.3	0.84	0.36	0.73	3.65	0.	-0.13	5.44	1.039	-4.	2	21		
10101 GTRA12	DISTILL	10.	1.00	0.350	0.25	11.0	0.81	0.35	0.72	3.48	0.	0.	5.36	1.024	-3.	3	17		
10101 GTRA12	DISTILL	10.	1.06	0.355	0.25	11.2	0.83	0.35	0.72	3.59	0.	-0.10	5.39	1.031	-4.	2	19		
10101 GTRA16	DISTILL	10.	1.00	0.349	0.25	11.3	0.84	0.36	0.72	3.49	0.	0.	5.41	1.034	-4.	2	19		
10101 GTRA16	DISTILL	10.	0.99	0.348	0.25	11.3	0.84	0.36	0.72	3.46	0.02	0.	5.40	1.032	-4.	2	19		
10101 GTR208	DISTILL	10.	1.00	0.290	0.25	10.4	0.77	0.33	0.70	3.80	0.	0.	5.61	1.072	-4.	0	999		
10101 GTR208	DISTILL	10.	0.83	0.290	0.25	9.8	0.73	0.31	0.68	3.16	0.52	0.	5.40	1.032	-3.	2	22		
10101 GTR212	DISTILL	10.	1.00	0.311	0.25	10.7	0.79	0.34	0.71	3.69	0.	0.	5.53	1.056	-4.	0	30		
10101 GTR212	DISTILL	10.	0.89	0.309	0.25	10.3	0.76	0.32	0.69	3.29	0.33	0.	5.40	1.033	-3.	2	21		
10101 GTR216	DISTILL	10.	1.00	0.326	0.25	10.9	0.81	0.34	0.71	3.61	0.	0.	5.48	1.047	-4.	1	25		
10101 GTR216	DISTILL	10.	0.91	0.323	0.25	10.6	0.78	0.33	0.70	3.30	0.27	0.	5.38	1.029	-3.	2	19		
10101 GTRW08	DISTILL	10.	1.00	0.288	0.25	11.1	0.82	0.35	0.72	3.81	0.	0.	5.71	1.091	-4.	0	999		
10101 GTRW08	DISTILL	10.	1.29	0.308	0.25	12.2	0.90	0.38	0.76	4.46	0.	-0.53	5.98	1.142	-6.	0	129		
10101 GTRW12	DISTILL	10.	1.00	0.306	0.25	11.1	0.82	0.35	0.72	3.72	0.	0.	5.61	1.073	-4.	0	999		
10101 GTRW12	DISTILL	10.	1.32	0.329	0.25	12.3	0.91	0.39	0.77	4.41	0.	-0.59	5.88	1.124	-6.	0	999		
10101 GTRW16	DISTILL	10.	1.00	0.309	0.25	11.4	0.84	0.36	0.73	3.70	0.	0.	5.63	1.076	-4.	0	999		
10101 GTRW16	DISTILL	10.	1.23	0.327	0.25	12.3	0.91	0.39	0.76	4.21	0.	-0.43	5.83	1.114	-5.	0	999		
10101 GTR308	DISTILL	10.	1.00	0.267	0.25	10.6	0.78	0.33	0.71	3.93	0.	0.	5.76	1.100	-4.	0	628		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS	SYSTEM	FUEL	REQD	GEN/	/HEAT COST												
		MW	REQD	RATIO *10**6	INSNC														
10101	GTR312	DISTILL	10.	1.00	0.312	0.25	10.7	0.79	0.34	0.71	3.69	0.	0.	5.53	1.056	-4.	0	30	
10101	GTR312	DISTILL	10.	1.09	0.319	0.25	11.0	0.81	0.35	0.72	3.88	0.	-0.17	5.60	1.069	-4.	0	999	
10101	GTR316	DISTILL	10.	1.00	0.310	0.25	11.0	0.81	0.35	0.72	3.70	0.	0.	5.58	1.066	-4.	0	999	
10101	GTR316	DISTILL	10.	1.07	0.316	0.25	11.3	0.83	0.35	0.73	3.86	0.	-0.14	5.64	1.077	-4.	0	999	
10101	FCPADS	DISTILL	10.	1.00	0.232	0.25	11.7	0.87	0.37	1.53	4.12	0.	0.	6.88	1.315	-9.	0	66	
10101	FCPADS	DISTILL	10.	2.42	0.279	0.25	19.6	1.45	0.62	3.02	7.76	0.	-2.63	10.22	1.954	-23.	0	62	
10101	FCMCDS	DISTILL	10.	1.00	0.310	0.25	12.1	0.90	0.38	1.47	3.70	0.	0.	6.45	1.232	-7.	0	76	
10101	FCMCDS	DISTILL	10.	1.92	0.360	0.25	17.4	1.29	0.55	2.37	5.67	0.	-1.70	8.17	1.562	-15.	0	66	
10102	ONOCGN	RESIDUA	30.	0.	0.	0.25	14.6	1.08	0.46	0.74	14.04	9.24	0.	25.55	1.000	0.	0	0	
10102	STM141	RESIDUA	30.	0.99	0.246	0.25	19.0	1.44	0.61	0.98	17.50	0.11	0.	20.64	0.808	13.	55	2	
10102	STM141	COAL-FG	30.	0.99	0.246	0.25	34.5	2.62	1.11	2.01	10.16	0.11	0.	16.02	0.627	20.	30	4	
10102	STM141	COAL-AF	30.	0.99	0.246	0.25	29.8	2.26	0.96	1.95	10.16	0.11	0.	15.44	0.604	24.	38	3	
10102	STM088	RESIDUA	30.	0.75	0.187	0.25	17.2	1.30	0.55	0.93	16.67	2.30	0.	21.75	0.851	10.	67	2	
10102	STM088	COAL-FG	30.	0.75	0.187	0.25	32.1	2.44	1.04	1.89	9.68	2.30	0.	17.35	0.679	17.	29	4	
10102	STM088	COAL-AF	30.	0.75	0.187	0.25	23.4	1.77	0.75	1.75	9.68	2.30	0.	16.26	0.636	25.	54	2	
10102	PFBSTM	COAL-PF	30.	1.00	0.245	0.25	42.4	3.22	1.37	3.12	10.24	0.	0.	17.94	0.702	10.	20	5	
10102	PFBSTM	COAL-PF	30.	1.52	0.308	0.25	41.0	3.11	1.32	3.13	11.31	0.	-2.86	16.02	0.627	17.	25	4	
10102	TISTMT	RESIDUA	30.	1.00	0.245	0.25	65.9	5.00	2.13	2.40	17.63	0.	0.	27.16	1.063	-30.	2	20	
10102	TISTMT	RESIDUA	30.	1.99	0.349	0.25	101.7	7.72	3.28	3.11	21.18	0.	-5.48	29.82	1.167	-55.	0	29	
10102	TISTMT	COAL	30.	1.00	0.245	0.25	91.4	6.94	2.95	3.78	10.24	0.	0.	23.91	0.936	-32.	6	11	
10102	TISTMT	COAL	30.	1.99	0.349	0.25	128.5	9.75	4.14	4.45	12.30	0.	-5.48	25.16	0.985	-54.	5	13	
10102	TIHRSG	RESIDUA	30.	0.85	0.171	0.25	84.9	6.29	2.67	2.52	17.92	1.42	0.	30.82	1.206	-49.	0	999	
10102	TIHRSG	COAL	30.	0.85	0.171	0.25	108.6	8.24	3.50	3.72	10.41	1.42	0.	27.29	1.068	-51.	3	17	
10102	STIRL	DISTILL	30.	1.00	0.180	0.25	28.9	2.14	0.91	1.43	23.45	0.	0.	27.93	1.093	-14.	0	68	
10102	STIRL	DISTILL	30.	2.31	0.274	0.25	46.9	3.48	1.48	1.71	31.64	0.	-7.27	31.04	1.215	-32.	0	66	
10102	STIRL	RESIDUA	30.	1.00	0.180	0.25	28.9	2.14	0.91	1.43	19.13	0.	0.	23.62	0.924	-1.	14	7	
10102	STIRL	RESIDUA	30.	2.31	0.274	0.25	47.0	3.48	1.48	1.71	25.81	0.	-7.27	25.22	0.987	-14.	6	12	
10102	STIRL	COAL	30.	1.00	0.180	0.25	54.2	4.02	1.71	2.85	11.11	0.	0.	19.69	0.771	-0.	14	7	
10102	STIRL	COAL	30.	2.31	0.274	0.25	82.1	6.08	2.59	3.40	14.99	0.	-7.27	19.79	0.774	-14.	11	8	
10102	HEGT85	COAL-AF	30.	1.00	0.100	0.25	75.4	5.72	2.43	3.34	12.20	0.	0.	23.70	0.927	-24.	7	11	
10102	HEGT85	COAL-AF	30.	6.09	0.201	0.25	199.4	15.14	6.43	7.47	32.80	0.	-28.19	33.64	1.317	-114.	0	26	
10102	HEGT60	COAL-AF	30.	1.00	0.107	0.25	72.4	5.49	2.34	3.27	12.11	0.	0.	23.20	0.908	-21.	8	10	
10102	HEGT60	COAL-AF	30.	2.99	0.178	0.25	119.5	9.07	3.86	4.65	19.99	0.	-11.05	26.51	1.038	-54.	4	15	
10102	HEGT00	COAL-AF	30.	1.00	0.104	0.25	67.1	5.09	2.17	3.13	12.14	0.	0.	22.53	0.882	-16.	9	9	
10102	HEGT00	COAL-AF	30.	1.40	0.126	0.25	72.5	5.50	2.34	3.05	13.72	0.	-2.20	22.42	0.877	-18.	9	10	
10102	FCMCCL	COAL	30.	1.00	0.213	0.25	64.3	5.00	2.13	3.52	10.66	0.	0.	21.31	0.834	-12.	10	8	
10102	FCMCCL	COAL	30.	2.56	0.337	0.25	88.8	6.91	2.94	4.87	14.59	0.	-8.67	20.63	0.808	-22.	9	9	
10102	FCSTCL	COAL	30.	1.00	0.222	0.25	62.3	4.84	2.06	3.43	10.55	0.	0.	20.88	0.817	-9.	11	8	
10102	FCSTCL	COAL	30.	4.17	0.409	0.25	111.0	8.63	3.67	6.12	18.15	0.	-17.56	19.01	0.744	-28.	9	9	
10102	IGGTST	COAL	30.	1.00	0.179	0.25	60.0	4.66	1.98	2.85	11.13	0.	0.	20.63	0.807	-7.	12	8	
10102	IGGTST	COAL	30.	2.94	0.296	0.25	87.3	6.79	2.89	3.06	16.92	0.	-10.75	18.90	0.740	-15.	11	8	
10102	OTSOAR	RESIDUA	30.	1.00	0.188	0.25	22.9	1.69	0.72	1.21	18.96	0.	0.	22.59	0.884	5.	25	4	
10102	OTSOAR	RESIDUA	30.	2.62	0.299	0.25	33.8	2.51	1.07	1.30	26.96	0.	-9.03	22.83	0.893	-0.	14	7	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	POWER FESRPOWER	CAPITAL CAPITAL	CAPITAL TAXES	CAPITAL TAXES	CAPITAL TAXES	CAPITAL TAXES	CAPITAL TAXES	ANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESNT	ROI	GROSS	
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	+	INSNC	INSNC	INSNC	INSNC			ELEC				WORTH	%	PAY	
		MW	REQD	RATIO *10**6												15%		BACK	
10102 GTAC08	RESIDUA	30.	2.11	0.308	0.25	25.3	1.88	0.80	1.07	23.32	0.	-6.17	20.89	0.817	10.	29	4		
10102 GTAC12	RESIDUA	30.	1.00	0.211	0.25	21.7	1.61	0.68	1.18	18.43	0.	0.	21.89	0.857	8.	33	3		
10102 GTAC12	RESIDUA	30.	2.61	0.335	0.25	30.1	2.23	0.95	1.20	25.49	0.	-8.93	20.95	0.820	7.	22	5		
10102 GTAC16	RESIDUA	30.	1.00	0.209	0.25	23.8	1.76	0.75	1.23	18.47	0.	0.	22.22	0.870	6.	25	4		
10102 GTAC16	RESIDUA	30.	2.93	0.346	0.25	34.2	2.54	1.08	1.31	27.05	0.	-10.71	21.26	0.832	4.	18	6		
10102 GTWC16	RESIDUA	30.	1.00	0.186	0.25	23.7	1.75	0.74	1.23	19.00	0.	0.	22.73	0.890	5.	23	5		
10102 GTWC16	RESIDUA	30.	3.12	0.315	0.25	33.0	2.45	1.04	1.30	29.54	0.	-11.77	22.56	0.883	1.	15	6		
10102 CC1626	RESIDUA	30.	1.00	0.186	0.25	27.1	2.06	0.88	1.43	19.01	0.	0.	23.37	0.915	1.	15	6		
10102 CC1626	RESIDUA	30.	5.22	0.362	0.25	48.3	3.66	1.56	1.89	39.96	0.	-23.37	23.69	0.927	-11.	9	9		
10102 CC1622	RESIDUA	30.	1.00	0.195	0.25	27.1	2.06	0.87	1.42	18.80	0.	0.	23.15	0.906	1.	16	6		
10102 CC1622	RESIDUA	30.	4.70	0.370	0.25	49.1	3.73	1.58	1.86	36.41	0.	-20.51	23.07	0.903	-9.	10	9		
10102 CC1222	RESIDUA	30.	1.00	0.197	0.25	26.5	2.01	0.85	1.41	18.76	0.	0.	23.03	0.901	2.	17	6		
10102 CC1222	RESIDUA	30.	4.68	0.373	0.25	46.3	3.52	1.49	1.82	36.14	0.	-20.42	22.54	0.882	-6.	11	8		
10102 CC0822	RESIDUA	30.	1.00	0.211	0.25	26.2	1.99	0.84	1.40	18.43	0.	0.	22.66	0.887	3.	19	5		
10102 CC0822	RESIDUA	30.	3.75	0.377	0.25	36.3	2.75	1.17	1.53	30.54	0.	-15.27	20.72	0.811	5.	18	6		
10102 STIG15	RESIDUA	30.	1.00	0.069	0.25	27.5	2.04	0.87	1.59	21.74	0.	0.	26.24	1.027	-8.	0	999		
10102 STIG15	RESIDUA	30.	117.39	0.171	0.25	861.5	63.81	27.13	51.42	917.88	0.	-645.14	415.10	16.245-1621.		0	58		
10102 STIG10	RESIDUA	30.	1.00	0.099	0.25	26.5	1.96	0.83	1.49	21.04	0.	0.	25.32	0.991	-5.	6	12		
10102 STIG10	RESIDUA	30.	10.86	0.218	0.25	94.6	7.01	2.98	4.83	90.06	0.	-54.63	50.24	1.966	-115.	0	60		
10102 STIG15	RESIDUA	30.	1.00	0.112	0.25	26.0	1.92	0.82	1.48	20.72	0.	0.	24.95	0.976	-4.	9	10		
10102 STIG15	RESIDUA	30.	6.37	0.228	0.25	55.2	4.09	1.74	3.08	56.61	0.	-29.76	35.76	1.399	-51.	0	62		
10102 DEADV3	RESIDUA	30.	1.00	0.149	0.25	35.9	2.66	1.13	1.60	19.87	0.	0.	25.26	0.988	-9.	6	12		
10102 DEADV3	RESIDUA	30.	6.38	0.302	0.25	125.1	9.26	3.94	3.82	51.23	0.	-29.82	38.43	1.504	-92.	0	83		
10102 DEHTPM	RESIDUA	30.	1.00	0.220	0.25	32.8	2.43	1.03	1.57	18.21	0.	0.	23.24	0.910	-1.	13	7		
10102 DEHTPM	RESIDUA	30.	3.24	0.377	0.25	69.4	5.14	2.19	2.38	27.55	0.	-12.41	24.85	0.972	-23.	6	12		
10102 DESOA3	DISTILL	30.	1.00	0.128	0.25	40.8	3.02	1.28	1.73	24.96	0.	0.	31.00	1.213	-29.	0	63		
10102 DESOA3	DISTILL	30.	7.27	0.266	0.25	176.2	13.05	5.55	5.14	73.54	0.	-34.75	62.53	2.447	-192.	0	62		
10102 DESOA3	RESIDUA	30.	1.00	0.128	0.25	40.8	3.02	1.28	1.73	20.36	0.	0.	26.40	1.033	-15.	2	21		
10102 DESOA3	RESIDUA	30.	7.27	0.266	0.25	176.2	13.05	5.55	5.14	59.99	0.	-34.75	48.98	1.917	-149.	0	70		
10102 GTSOAD	DISTILL	30.	1.00	0.203	0.25	20.4	1.51	0.64	1.15	22.82	0.	0.	26.12	1.022	-5.	0	193		
10102 GTSOAD	DISTILL	30.	2.50	0.317	0.25	26.3	1.95	0.83	1.10	31.23	0.	-8.30	26.81	1.049	-9.	0	93		
10102 GTRA08	DISTILL	30.	1.00	0.193	0.25	28.0	2.08	0.88	1.34	23.09	0.	0.	27.39	1.072	-12.	0	75		
10102 GTRA08	DISTILL	30.	3.96	0.351	0.25	45.0	3.33	1.42	1.62	40.47	0.	-16.39	30.45	1.192	-30.	0	67		
10102 GTRA12	DISTILL	30.	1.00	0.196	0.25	28.3	2.09	0.89	1.35	23.00	0.	0.	27.33	1.069	-12.	0	76		
10102 GTRA12	DISTILL	30.	3.90	0.355	0.25	45.7	3.39	1.44	1.63	39.79	0.	-16.08	30.17	1.181	-29.	0	70		
10102 GTRA16	DISTILL	30.	1.00	0.197	0.25	26.1	1.93	0.82	1.29	22.98	0.	0.	27.02	1.058	-10.	0	79		
10102 GTRA16	DISTILL	30.	3.67	0.350	0.25	46.1	3.42	1.45	1.64	38.37	0.	-14.78	30.09	1.178	-29.	0	71		
10102 GTR208	DISTILL	30.	1.00	0.196	0.25	24.0	1.78	0.76	1.24	23.01	0.	0.	26.79	1.048	-8.	0	78		
10102 GTR208	DISTILL	30.	3.07	0.329	0.25	36.8	2.72	1.16	1.39	35.03	0.	-11.47	28.82	1.128	-21.	0	70		
10102 GTR212	DISTILL	30.	1.00	0.195	0.25	24.6	1.82	0.77	1.26	23.05	0.	0.	26.90	1.053	-9.	0	76		
10102 GTR212	DISTILL	30.	3.29	0.335	0.25	39.5	2.93	1.24	1.46	36.46	0.	-12.72	29.37	1.149	-24.	0	63		
10102 GTR216	DISTILL	30.	1.00	0.198	0.25	25.3	1.87	0.80	1.27	22.94	0.	0.	26.88	1.052	-9.	0	82		
10102 GTR216	DISTILL	30.	3.37	0.344	0.25	42.2	3.13	1.33	1.53	36.54	0.	-13.15	29.37	1.150	-25.	0	72		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESNT	ROI	GROSS			
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	COST	+			ELEC						PAY			
		MW	REQD	RATIO	*10**6		INSNC									BACK			
10102	GTRW08	DISTILL	30.	4.75	0.308	0.25	47.1	3.49	1.48	1.70	49.41	0.	-20.78	35.30	1.382	-46.	0	60	
10102	GTRW12	DISTILL	30.	1.00	0.172	0.25	27.9	2.07	0.88	1.34	23.71	0.	0.	28.00	1.096	-14.	0	65	
10102	GTRW12	DISTILL	30.	4.87	0.329	0.25	47.7	3.53	1.50	1.72	48.89	0.	-21.47	34.18	1.338	-43.	0	61	
10102	GTRW16	DISTILL	30.	1.00	0.173	0.25	28.5	2.11	0.90	1.36	23.66	0.	0.	28.02	1.097	-14.	0	66	
10102	GTRW16	DISTILL	30.	4.56	0.327	0.25	47.5	3.51	1.49	1.70	46.60	0.	-19.71	33.60	1.315	-41.	0	61	
10102	GTR308	DISTILL	30.	1.00	0.154	0.25	24.0	1.78	0.76	1.25	24.23	0.	0.	28.02	1.096	-12.	0	61	
10102	GTR308	DISTILL	30.	3.61	0.272	0.25	36.9	2.74	1.16	1.42	42.57	0.	-14.49	33.40	1.307	-35.	0	59	
10102	GTR312	DISTILL	30.	1.00	0.175	0.25	27.0	2.00	0.85	1.32	23.61	0.	0.	27.79	1.087	-13.	0	66	
10102	GTR312	DISTILL	30.	4.03	0.319	0.25	41.1	3.04	1.29	1.53	42.99	0.	-16.77	32.09	1.256	-33.	0	61	
10102	GTR316	DISTILL	30.	1.00	0.174	0.25	27.7	2.05	0.87	1.34	23.64	0.	0.	27.90	1.092	-14.	0	66	
10102	GTR316	DISTILL	30.	3.97	0.316	0.25	42.3	3.13	1.33	1.56	42.73	0.	-16.44	32.31	1.264	-34.	0	61	
10102	FCPADS	DISTILL	30.	1.00	0.130	0.25	34.1	2.53	1.07	4.02	24.90	0.	0.	32.52	1.273	-31.	0	61	
10102	FCPADS	DISTILL	30.	8.95	0.279	0.25	154.0	11.41	4.85	28.02	86.04	0.	-44.08	86.23	3.375	-259.	0	60	
10102	FCMCDS	DISTILL	30.	1.00	0.174	0.25	35.3	2.62	1.11	3.84	23.64	0.	0.	31.21	1.221	-28.	0	63	
10102	FCMCDS	DISTILL	30.	7.08	0.360	0.25	132.4	9.80	4.17	21.00	62.78	0.	-33.72	64.04	2.506	-178.	0	62	
20111	ONOCGN	RESIDUA	2.	0.	0.	0.28	1.8	0.12	0.05	0.19	0.22	0.15	0.	0.73	1.000	0.	0	0	
20111	STM141	RESIDUA	2.	1.00	0.264	0.28	3.2	0.24	0.10	0.26	0.28	0.	0.	0.98	1.342	-2.	0	77	
20111	STM141	RESIDUA	2.	1.09	0.277	0.28	3.0	0.23	0.10	0.29	0.28	0.	-0.01	0.89	1.226	-1.	0	114	
20111	STM141	COAL-FG	2.	1.00	0.264	0.28	5.6	0.43	0.18	0.57	0.16	0.	0.	1.34	1.842	-4.	0	77	
20111	STM141	COAL-FG	2.	1.09	0.277	0.28	5.2	0.39	0.17	0.46	0.16	0.	-0.01	1.17	1.614	-3.	0	92	
20111	STM141	COAL-AF	2.	1.00	0.264	0.28	5.1	0.39	0.17	0.51	0.16	0.	0.	1.22	1.683	-3.	0	82	
20111	STM141	COAL-AF	2.	1.09	0.277	0.28	4.6	0.35	0.15	0.40	0.16	0.	-0.01	1.05	1.441	-2.	0	141	
20111	STM088	RESIDUA	2.	0.86	0.227	0.28	2.6	0.20	0.08	0.28	0.27	0.02	0.	0.85	1.166	-1.	0	114	
20111	STM088	COAL-FG	2.	0.86	0.227	0.28	4.7	0.36	0.15	0.44	0.15	0.02	0.	1.13	1.553	-3.	0	89	
20111	STM088	COAL-AF	2.	0.86	0.227	0.28	4.3	0.33	0.14	0.38	0.15	0.02	0.	1.03	1.411	-2.	0	126	
20111	PFBSTM	COAL-PF	2.	1.00	0.261	0.28	7.1	0.54	0.23	0.61	0.16	0.	0.	1.54	2.114	-5.	0	76	
20111	PFBSTM	COAL-PF	2.	1.58	0.332	0.28	6.8	0.52	0.22	0.47	0.18	0.	-0.05	1.34	1.840	-4.	0	95	
20111	TISTMT	RESIDUA	2.	1.00	0.260	0.28	8.7	0.66	0.28	0.53	0.28	0.	0.	1.74	2.392	-7.	0	74	
20111	TISTMT	RESIDUA	2.	2.03	0.368	0.28	13.0	0.99	0.42	0.56	0.34	0.	-0.10	2.21	3.034	-10.	0	78	
20111	TISTMT	COAL	2.	1.00	0.260	0.28	12.2	0.93	0.39	0.79	0.16	0.	0.	2.27	3.115	-10.	0	74	
20111	TISTMT	COAL	2.	2.03	0.368	0.28	16.5	1.26	0.53	0.77	0.20	0.	-0.10	2.65	3.648	-13.	0	79	
20111	TIHRSQ	RESIDUA	2.	0.75	0.172	0.28	10.2	0.76	0.32	0.40	0.27	0.04	0.	1.79	2.455	-7.	0	78	
20111	TIHRSQ	RESIDUA	2.	0.75	0.172	0.28	13.2	1.00	0.43	0.57	0.16	0.04	0.	2.20	3.019	-10.	0	79	
20111	STIRL	DISTILL	2.	1.00	0.214	0.28	2.7	0.20	0.08	0.34	0.36	0.	0.	0.98	1.345	-1.	0	65	
20111	STIRL	DISTILL	2.	2.42	0.323	0.28	3.3	0.24	0.10	0.28	0.50	0.	-0.13	0.98	1.354	-2.	0	71	
20111	STIRL	RESIDUA	2.	1.00	0.214	0.28	2.7	0.20	0.08	0.34	0.29	0.	0.	0.91	1.254	-1.	0	74	
20111	STIRL	RESIDUA	2.	2.42	0.323	0.28	3.3	0.24	0.10	0.28	0.40	0.	-0.13	0.89	1.229	-1.	0	154	
20111	STIRL	COAL	2.	1.00	0.214	0.28	5.7	0.42	0.18	0.57	0.17	0.	0.	1.34	1.847	-4.	0	76	
20111	STIRL	COAL	2.	2.42	0.323	0.28	5.8	0.43	0.18	0.45	0.24	0.	-0.13	1.17	1.606	-3.	0	128	
20111	HEGT85	COAL-AF	2.	1.00	0.188	0.28	10.8	0.82	0.35	0.62	0.18	0.	0.	1.97	2.706	-8.	0	77	
20111	HEGT85	COAL-AF	2.	3.10	0.308	0.28	17.8	1.35	0.57	0.65	0.28	0.	-0.20	2.66	3.660	-14.	0	83	
20111	HEGT60	COAL-AF	2.	1.00	0.134	0.28	10.6	0.81	0.34	0.62	0.19	0.	0.	1.96	2.690	-8.	0	77	
20111	HEGT60	COAL-AF	2.	2.47	0.204	0.28	15.2	1.15	0.49	0.59	0.28	0.	-0.14	2.37	3.257	-12.	0	82	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100										
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																				
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS	FUEL		REQD		GEN/		/HEAT COST		+		ELEC		WORTH		%		PAY	
SYSTEM																				
		MW			REQD				RATIO *10**6	INSNC					15%				BACK	
20111 HEGT00	COAL-AF	2.	1.23	0.138	0.28	9.6	0.73	0.31	0.42	0.21	0.	-0.02	1.64	2.259	-7.	0	89			
20111 FCMCCL	COAL	2.	1.00	0.227	0.28	9.3	0.72	0.31	0.61	0.17	0.	0.	1.81	2.487	-7.	0	78			
20111 FCMCCL	COAL	2.	2.32	0.338	0.28	11.7	0.91	0.39	0.54	0.22	0.	-0.12	1.94	2.663	-9.	0	88			
20111 FCSTCL	COAL	2.	1.00	0.236	0.28	9.1	0.70	0.30	0.67	0.17	0.	0.	1.83	2.521	-7.	0	75			
20111 FCSTCL	COAL	2.	4.09	0.419	0.28	15.2	1.18	0.50	0.73	0.29	0.	-0.29	2.41	3.318	-12.	0	85			
20111 IGG1ST	COAL	2.	1.00	0.193	0.28	9.5	0.74	0.31	0.73	0.18	0.	0.	1.96	2.689	-8.	0	74			
20111 IGGTST	COAL	2.	2.93	0.312	0.28	13.2	1.03	0.44	0.71	0.27	0.	-0.18	2.26	3.112	-11.	0	80			
20111 GTSOAR	RESIDUA	2.	1.00	0.206	0.28	3.3	0.25	0.11	0.33	0.30	0.	0.	0.98	1.347	-2.	0	77			
20111 GTSOAR	RESIDUA	2.	2.31	0.306	0.28	4.0	0.30	0.13	0.26	0.40	0.	-0.12	0.97	1.328	-2.	0	123			
20111 GTAC08	RESIDUA	2.	1.00	0.222	0.28	2.9	0.22	0.09	0.32	0.29	0.	0.	0.92	1.263	-1.	0	81			
20111 GTAC08	RESIDUA	2.	1.92	0.307	0.28	3.1	0.23	0.10	0.23	0.36	0.	-0.09	0.84	1.154	-1.	0	939			
20111 GTAC12	RESIDUA	2.	1.00	0.226	0.28	3.0	0.22	0.09	0.32	0.29	0.	0.	0.92	1.264	-1.	0	81			
20111 GTAC12	RESIDUA	2.	2.34	0.337	0.28	3.5	0.26	0.11	0.25	0.39	0.	-0.13	0.87	1.200	-1.	0	939			
20111 GTAC16	RESIDUA	2.	1.00	0.225	0.28	3.0	0.23	0.10	0.32	0.29	0.	0.	0.93	1.282	-1.	0	80			
20111 GTAC16	RESIDUA	2.	2.61	0.350	0.28	3.8	0.28	0.12	0.26	0.41	0.	-0.15	0.92	1.265	-2.	0	955			
20111 GTWC16	RESIDUA	2.	1.00	0.197	0.28	3.3	0.24	0.10	0.33	0.30	0.	0.	0.98	1.342	-2.	0	76			
20111 GTWC16	RESIDUA	2.	2.83	0.315	0.28	4.3	0.32	0.14	0.28	0.45	0.	-0.17	1.02	1.395	-2.	0	101			
20111 CC1626	RESIDUA	2.	1.00	0.199	0.28	3.4	0.26	0.11	0.40	0.30	0.	0.	1.07	1.465	-2.	0	70			
20111 CC1626	RESIDUA	2.	5.08	0.371	0.28	6.3	0.48	0.20	0.44	0.64	0.	-0.38	1.38	1.893	-4.	0	77			
20111 CC1622	RESIDUA	2.	1.00	0.209	0.28	3.2	0.24	0.10	0.39	0.30	0.	0.	1.04	1.425	-2.	0	71			
20111 CC1622	RESIDUA	2.	4.59	0.380	0.28	5.6	0.43	0.18	0.41	0.58	0.	-0.34	1.27	1.744	-4.	0	80			
20111 CC1222	RESIDUA	2.	1.00	0.210	0.28	3.1	0.24	0.10	0.39	0.30	0.	0.	1.03	1.409	-2.	0	70			
20111 CC1222	RESIDUA	2.	4.58	0.383	0.28	5.4	0.41	0.17	0.41	0.58	0.	-0.34	1.23	1.696	-3.	0	81			
20111 CC0822	RESIDUA	2.	1.00	0.225	0.28	3.3	0.25	0.11	0.39	0.29	0.	0.	1.04	1.423	-2.	0	71			
20111 CC0822	RESIDUA	2.	3.70	0.389	0.28	4.9	0.37	0.16	0.38	0.49	0.	-0.25	1.15	1.577	-3.	0	86			
20111 STIG15	RESIDUA	2.	1.00	0.073	0.28	3.5	0.26	0.11	0.35	0.35	0.	0.	1.06	1.464	-2.	0	69			
20111 STIG15	RESIDUA	2.	106.26	0.171	0.28	65.0	4.81	2.05	2.64	14.10	0.	-9.90	13.70	18.829	-70.	0	63			
20111 STIG10	RESIDUA	2.	1.00	0.105	0.28	3.3	0.25	0.10	0.34	0.33	0.	0.	1.03	1.412	-2.	0	70			
20111 STIG10	RESIDUA	2.	9.83	0.218	0.28	8.9	0.66	0.28	0.50	1.38	0.	-0.83	2.00	2.746	-7.	0	66			
20111 STIG15	RESIDUA	2.	1.00	0.119	0.28	3.2	0.24	0.10	0.34	0.33	0.	0.	1.01	1.391	-2.	0	70			
20111 STIG15	RESIDUA	2.	5.77	0.228	0.28	6.1	0.46	0.19	0.39	0.87	0.	-0.45	1.46	2.001	-4.	0	69			
20111 DEADV3	RESIDUA	2.	1.00	0.201	0.28	4.4	0.33	0.14	0.38	0.30	0.	0.	1.14	1.573	-3.	0	74			
20111 DEADV3	RESIDUA	2.	4.04	0.355	0.28	7.1	0.52	0.22	0.40	0.55	0.	-0.29	1.41	1.935	-5.	0	80			
20111 DEHTPM	RESIDUA	2.	1.00	0.244	0.28	4.3	0.32	0.14	0.40	0.28	0.	0.	1.14	1.563	-3.	0	74			
20111 DEHTPM	RESIDUA	2.	3.01	0.397	0.28	6.0	0.44	0.19	0.38	0.42	0.	-0.19	1.24	1.704	-4.	0	88			
20111 DESOA3	DISTILL	2.	1.00	0.186	0.28	3.3	0.25	0.10	0.35	0.37	0.	0.	1.08	1.478	-2.	0	66			
20111 DESOA3	DISTILL	2.	4.13	0.334	0.28	7.2	0.53	0.23	0.40	0.71	0.	-0.29	1.57	2.159	-5.	0	70			
20111 DESOA3	RESIDUA	2.	1.00	0.188	0.28	3.3	0.25	0.10	0.35	0.30	0.	0.	1.01	1.384	-2.	0	73			
20111 DESOA3	RESIDUA	2.	4.13	0.334	0.28	7.2	0.53	0.23	0.40	0.58	0.	-0.29	1.44	1.980	-5.	0	78			
20111 GTSOAR	DISTILL	2.	1.00	0.219	0.28	2.9	0.21	0.09	0.32	0.36	0.	0.	0.98	1.342	-1.	0	67			
20111 GTSOAR	DISTILL	2.	2.22	0.321	0.28	3.2	0.24	0.10	0.24	0.47	0.	-0.12	0.93	1.280	-1.	0	77			
20111 GTRA08	DISTILL	2.	1.00	0.212	0.28	3.5	0.26	0.11	0.33	0.36	0.	0.	1.07	1.467	-2.	0	68			
20111 GTRA08	DISTILL	2.	3.44	0.358	0.28	5.2	0.39	0.16	0.30	0.60	0.	-0.23	1.22	1.682	-3.	0	73			

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/	FESRPOWER	CAPITAL	HEAT COST	TAXES	OANDM	FUEL	PURCHD	REVENUE	TOTAL	NORML	PRESNT	ROI	GROSS			
SYSTEM		MW	REQD	RATIO *10**6	INSNC					ELEC				WORTH	%	DAY			
														15%		BACK			
20111	GTRA12	DISTILL	2.	3.41	0.362	0.28	5.1	0.38	0.16	0.30	0.59	0.	-0.23	1.21	1.660	-3.	0	74	
20111	GTRA16	DISTILL	2.	1.00	0.215	0.28	3.5	0.26	0.11	0.33	0.36	0.	0.	1.07	1.468	-2.	0	68	
20111	GTRA16	DISTILL	2.	3.22	0.356	0.28	5.2	0.39	0.16	0.30	0.57	0.	-0.21	1.22	1.673	-3.	0	74	
20111	GTR208	DISTILL	2.	1.00	0.213	0.28	3.3	0.24	0.10	0.33	0.36	0.	0.	1.03	1.422	-2.	0	68	
20111	GTR208	DISTILL	2.	2.71	0.335	0.28	4.2	0.31	0.13	0.27	0.52	0.	-0.16	1.03	1.484	-2.	0	74	
20111	GTR212	DISTILL	2.	1.00	0.211	0.28	3.4	0.25	0.11	0.33	0.36	0.	0.	1.05	1.438	-2.	0	68	
20111	GTR212	DISTILL	2.	2.91	0.340	0.28	4.5	0.34	0.14	0.28	0.55	0.	-0.18	1.13	1.550	-3.	0	74	
20111	GTR216	DISTILL	2.	1.00	0.215	0.28	3.4	0.25	0.11	0.33	0.36	0.	0.	1.05	1.441	-2.	0	68	
20111	GTR216	DISTILL	2.	2.98	0.349	0.28	4.7	0.35	0.15	0.29	0.55	0.	-0.19	1.15	1.575	-3.	0	74	
20111	GTRW08	DISTILL	2.	1.00	0.177	0.28	3.6	0.27	0.11	0.34	0.38	0.	0.	1.10	1.508	-2.	0	67	
20111	GTRW08	DISTILL	2.	4.14	0.314	0.28	5.9	0.44	0.19	0.34	0.73	0.	-0.30	1.40	1.919	-4.	0	69	
20111	GTRW12	DISTILL	2.	1.00	0.186	0.28	3.6	0.27	0.11	0.34	0.37	0.	0.	1.09	1.500	-2.	0	67	
20111	GTRW12	DISTILL	2.	4.27	0.334	0.28	6.0	0.45	0.19	0.34	0.73	0.	-0.31	1.39	1.913	-4.	0	70	
20111	GTRW16	DISTILL	2.	1.00	0.188	0.28	3.7	0.27	0.12	0.34	0.37	0.	0.	1.10	1.515	-2.	0	68	
20111	GTRW16	DISTILL	2.	4.01	0.331	0.28	6.0	0.45	0.19	0.34	0.70	0.	-0.28	1.39	1.905	-4.	0	70	
20111	GTR308	DISTILL	2.	1.00	0.172	0.28	3.3	0.25	0.10	0.33	0.38	0.	0.	1.07	1.464	-2.	0	68	
20111	GTR308	DISTILL	2.	3.11	0.282	0.28	4.6	0.34	0.15	0.29	0.62	0.	-0.20	1.21	1.658	-3.	0	68	
20111	GTR312	DISTILL	2.	1.00	0.189	0.28	3.4	0.25	0.11	0.33	0.37	0.	0.	1.07	1.469	-2.	0	67	
20111	GTR312	DISTILL	2.	3.57	0.323	0.28	5.1	0.38	0.16	0.31	0.65	0.	-0.24	1.25	1.720	-3.	0	70	
20111	GTR316	DISTILL	2.	1.00	0.188	0.28	3.5	0.26	0.11	0.34	0.37	0.	0.	1.08	1.490	-2.	0	67	
20111	GTR316	DISTILL	2.	3.52	0.320	0.28	5.3	0.39	0.17	0.31	0.64	0.	-0.24	1.28	1.759	-3.	0	70	
20111	FCPADS	DISTILL	2.	1.00	0.190	0.28	3.0	0.22	0.09	0.32	0.37	0.	0.	1.00	1.379	-2.	0	67	
20111	FCPADS	DISTILL	2.	4.67	0.348	0.28	6.0	0.44	0.19	0.46	0.76	0.	-0.35	1.50	2.064	-5.	0	67	
20111	FCMCDS	DISTILL	2.	1.00	0.184	0.28	3.2	0.24	0.10	0.32	0.37	0.	0.	1.03	1.411	-2.	0	67	
20111	FCMCDS	DISTILL	2.	6.41	0.360	0.28	8.8	0.65	0.28	0.59	0.96	0.	-0.51	1.97	2.711	-7.	0	67	
20261	ONOCGN	RESIDUA	1.	0.	0.	0.41	1.0	0.07	0.03	0.14	0.10	0.11	0.	0.45	1.000	0.	0	0	
20261	STM141	RESIDUA	1.	0.74	0.239	0.41	1.9	0.14	0.06	0.22	0.13	0.03	0.	0.58	1.295	-1.	0	80	
20261	STM141	COAL-FG	1.	0.74	0.239	0.41	3.0	0.23	0.10	0.34	0.07	0.03	0.	0.77	1.719	-2.	0	76	
20261	STM141	COAL-AF	1.	0.74	0.239	0.41	2.9	0.22	0.09	0.29	0.07	0.03	0.	0.71	1.589	-2.	0	83	
20261	STM088	RESIDUA	1.	0.58	0.189	0.41	1.6	0.12	0.05	0.21	0.12	0.04	0.	0.55	1.224	-1.	0	76	
20261	STM088	COAL-FG	1.	0.58	0.189	0.41	2.8	0.21	0.09	0.33	0.07	0.04	0.	0.74	1.653	-2.	0	74	
20261	STM088	COAL-AF	1.	0.58	0.189	0.41	2.7	0.21	0.09	0.28	0.07	0.04	0.	0.69	1.551	-2.	0	81	
20261	PFBSM	COAL-PF	1.	1.00	0.321	0.41	4.4	0.34	0.14	0.42	0.08	0.	0.	0.98	2.190	-3.	0	74	
20261	PFBSM	COAL-PF	1.	1.07	0.332	0.41	4.2	0.32	0.14	0.34	0.08	0.	-0.00	0.87	1.952	-3.	0	82	
20261	TISTMT	RESIDUA	1.	1.00	0.319	0.41	6.2	0.47	0.20	0.40	0.14	0.	0.	1.21	2.718	-5.	0	73	
20261	TISTMT	RESIDUA	1.	1.38	0.368	0.41	7.4	0.56	0.24	0.37	0.16	0.	-0.02	1.30	2.908	-6.	0	76	
20261	TISTMT	COAL	1.	1.00	0.319	0.41	8.4	0.64	0.27	0.59	0.08	0.	0.	1.57	3.523	-7.	0	73	
20261	TISTMT	COAL	1.	1.38	0.368	0.41	9.4	0.71	0.30	0.51	0.09	0.	-0.02	1.59	3.564	-8.	0	76	
20261	TIHRSG	RESIDUA	1.	0.51	0.143	0.41	5.8	0.43	0.18	0.25	0.12	0.05	0.	1.04	2.326	-4.	0	78	
20261	TIHRSG	COAL	1.	0.51	0.143	0.41	7.5	0.57	0.24	0.37	0.07	0.05	0.	1.30	2.914	-6.	0	77	
20261	STIRL	DISTILL	1.	1.00	0.268	0.41	1.6	0.12	0.05	0.25	0.18	0.	0.	0.60	1.352	-1.	0	66	
20261	STIRL	DISTILL	1.	1.68	0.332	0.41	1.6	0.12	0.05	0.19	0.23	0.	-0.04	0.54	1.208	-1.	0	75	
20261	STIRL	RESIDUA	1.	1.00	0.268	0.41	1.6	0.12	0.05	0.25	0.15	0.	0.	0.57	1.276	-1.	0	72	

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I&SE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	DAY				
		MW	REQD										15%		100K				
20261 STIRL COAL	1.	1.00	0.268	0.41	3.5	0.26	0.11	0.42	0.09	0.	0.	0.87	1.951	-3.	0	72			
20261 STIRL COAL	1.	1.68	0.332	0.41	3.2	0.23	0.10	0.31	0.11	0.	-0.04	0.71	1.578	-2.	0	97			
20261 HEGT85 COAL-AF	1.	1.00	0.247	0.41	7.5	0.57	0.24	0.45	0.09	0.	0.	1.35	3.022	-6.	0	75			
20261 HEGT85 COAL-AF	1.	1.96	0.323	0.41	9.8	0.74	0.32	0.39	0.12	0.	-0.06	1.51	3.379	-8.	0	82			
20261 HEGT60 COAL-AF	1.	1.00	0.164	0.41	7.3	0.56	0.24	0.45	0.10	0.	0.	1.34	3.007	-6.	0	75			
20261 HEGT60 COAL-AF	1.	1.68	0.204	0.41	8.8	0.67	0.28	0.37	0.13	0.	-0.04	1.41	3.149	-7.	0	81			
20261 HEGT00 COAL-AF	1.	0.84	0.126	0.41	5.5	0.42	0.18	0.27	0.09	0.02	0.	0.99	2.204	-4.	0	65			
20261 FCMCCL COAL	1.	1.00	0.278	0.41	6.2	0.48	0.21	0.44	0.09	0.	0.	1.22	2.720	-5.	0	75			
20261 FCMCCL COAL	1.	1.57	0.338	0.41	6.8	0.53	0.23	0.35	0.10	0.	-0.04	1.17	2.616	-5.	0	84			
20261 FCSTCL COAL	1.	1.00	0.290	0.41	6.1	0.48	0.20	0.51	0.08	0.	0.	1.27	2.844	-5.	0	73			
20261 FCSTCL COAL	1.	2.78	0.419	0.41	8.8	0.69	0.29	0.48	0.13	0.	-0.11	1.48	3.315	-7.	0	80			
20261 IGGTST COAL	1.	1.00	0.237	0.41	6.6	0.51	0.22	0.56	0.09	0.	0.	1.38	3.090	-6.	0	71			
20261 IGGTST COAL	1.	1.99	0.312	0.41	8.0	0.62	0.26	0.50	0.12	0.	-0.06	1.44	3.230	-7.	0	76			
20261 GTSOAR RESIDUA	1.	1.00	0.253	0.41	2.2	0.16	0.07	0.24	0.15	0.	0.	0.63	1.417	-1.	0	75			
20261 GTSOAR RESIDUA	1.	1.57	0.306	0.41	2.3	0.17	0.07	0.18	0.18	0.	-0.04	0.58	1.294	-1.	0	144			
20261 GTAC08 RESIDUA	1.	1.00	0.272	0.41	1.9	0.14	0.06	0.23	0.15	0.	0.	0.57	1.286	-1.	0	80			
20261 GTAC08 RESIDUA	1.	1.31	0.307	0.41	1.8	0.13	0.06	0.16	0.17	0.	-0.02	0.50	1.119	-1.	0	929			
20261 GTAC12 RESIDUA	1.	1.00	0.277	0.41	1.9	0.14	0.06	0.24	0.15	0.	0.	0.59	1.309	-1.	0	78			
20261 GTAC12 RESIDUA	1.	1.59	0.337	0.41	2.0	0.15	0.06	0.17	0.18	0.	-0.04	0.52	1.157	-1.	0	939			
20261 GTAC16 RESIDUA	1.	1.00	0.276	0.41	2.0	0.15	0.06	0.24	0.15	0.	0.	0.60	1.337	-1.	0	77			
20261 GTAC16 RESIDUA	1.	1.77	0.350	0.41	2.2	0.16	0.07	0.18	0.19	0.	-0.05	0.54	1.216	-1.	0	909			
20261 GTWC16 RESIDUA	1.	1.00	0.242	0.41	2.2	0.16	0.07	0.25	0.16	0.	0.	0.64	1.422	-1.	0	74			
20261 GTWC16 RESIDUA	1.	1.92	0.315	0.41	2.5	0.19	0.08	0.19	0.21	0.	-0.06	0.61	1.354	-1.	0	107			
20261 CC1626 RESIDUA	1.	1.00	0.245	0.41	2.3	0.18	0.08	0.32	0.16	0.	0.	0.72	1.617	-2.	0	60			
20261 CC1626 RESIDUA	1.	3.45	0.371	0.41	3.7	0.28	0.12	0.31	0.29	0.	-0.16	0.85	1.897	-3.	0	74			
20261 CC1622 RESIDUA	1.	1.00	0.256	0.41	2.2	0.16	0.07	0.31	0.15	0.	0.	0.70	1.563	-1.	0	68			
20261 CC1622 RESIDUA	1.	3.11	0.380	0.41	3.2	0.24	0.10	0.30	0.27	0.	-0.13	0.77	1.733	-2.	0	76			
20261 CC1222 RESIDUA	1.	1.00	0.258	0.41	2.1	0.16	0.07	0.31	0.15	0.	0.	0.69	1.542	-1.	0	60			
20261 CC1222 RESIDUA	1.	3.11	0.383	0.41	3.1	0.23	0.10	0.29	0.27	0.	-0.13	0.75	1.609	-2.	0	76			
20261 CC0822 RESIDUA	1.	1.00	0.276	0.41	2.2	0.17	0.07	0.31	0.15	0.	0.	0.70	1.561	-1.	0	69			
20261 CC0822 RESIDUA	1.	2.51	0.389	0.41	2.9	0.22	0.09	0.28	0.22	0.	-0.10	0.71	1.596	-2.	0	79			
20261 STIG15 RESIDUA	1.	1.00	0.090	0.41	2.4	0.18	0.08	0.28	0.19	0.	0.	0.72	1.608	-2.	0	68			
20261 STIG15 RESIDUA	1.	72.13	0.171	0.41	29.4	2.18	0.93	1.38	6.46	0.	-4.52	6.43	14.377	-32.	0	63			
20261 STIG10 RESIDUA	1.	1.00	0.129	0.41	2.3	0.17	0.07	0.27	0.18	0.	0.	0.69	1.538	-1.	0	69			
20261 STIG10 RESIDUA	1.	6.67	0.218	0.41	5.1	0.38	0.16	0.33	0.63	0.	-0.36	1.15	2.568	-4.	0	67			
20261 STIG15 RESIDUA	1.	1.00	0.146	0.41	2.2	0.16	0.07	0.26	0.18	0.	0.	0.67	1.506	-1.	0	69			
20261 STIG15 RESIDUA	1.	8.91	0.228	0.41	3.6	0.26	0.11	0.26	0.40	0.	-0.19	0.85	1.902	-2.	0	70			
20261 DEADV3 RESIDUA	1.	1.00	0.257	0.41	3.1	0.23	0.10	0.29	0.15	0.	0.	0.77	1.722	-2.	0	73			
20261 DEADV3 RESIDUA	1.	2.58	0.365	0.41	4.2	0.31	0.13	0.27	0.24	0.	-0.10	0.85	1.892	-3.	0	80			
20261 DEHTPM RESIDUA	1.	1.00	0.299	0.41	3.0	0.22	0.10	0.31	0.14	0.	0.	0.77	1.720	-2.	0	72			
20261 DEHTPM RESIDUA	1.	2.04	0.397	0.41	3.7	0.27	0.12	0.27	0.19	0.	-0.07	0.78	1.744	-2.	0	83			
20261 DESOA3 DISTILL	1.	1.00	0.244	0.41	2.0	0.15	0.06	0.27	0.19	0.	0.	0.67	1.504	-1.	0	66			
20261 DESOA3 DISTILL	1.	2.60	0.346	0.41	3.2	0.23	0.10	0.24	0.30	0.	-0.10	0.78	1.737	-2.	0	71			

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COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	LANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	+			ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
20261	DES0A3	RESIDUA	1.	2.60	0.346	0.41	3.2	0.23	0.10	0.24	0.25	0.	-0.10	0.72	1.612	-2.	0	81	
20261	GTSCAD	DISTILL	1.	1.00	0.269	0.41	1.8	0.14	0.06	0.23	0.18	0.	0.	0.61	1.367	-1.	0	68	
20261	GTSCAD	DISTILL	1.	1.51	0.321	0.41	1.8	0.14	0.06	0.17	0.22	0.	-0.03	0.54	1.215	-1.	0	89	
20261	GTRA08	DISTILL	1.	1.00	0.260	0.41	2.4	0.18	0.08	0.26	0.19	0.	0.	0.69	1.554	-1.	0	69	
20261	GTRA08	DISTILL	1.	2.33	0.358	0.41	0.1	0.23	0.10	0.21	0.27	0.	-0.08	0.72	1.609	-2.	0	76	
20261	GTRA12	DISTILL	1.	1.00	0.263	0.41	2.3	0.17	0.07	0.25	0.19	0.	0.	0.68	1.525	-1.	0	69	
20261	GTRA12	DISTILL	1.	2.31	0.362	0.41	3.0	0.22	0.09	0.20	0.27	0.	-0.08	0.70	1.573	-2.	0	76	
20261	GTRA12	DISTILL	1.	1.00	0.263	0.41	2.4	0.18	0.08	0.25	0.19	0.	0.	0.69	1.547	-1.	0	69	
20261	GTRA16	DISTILL	1.	2.18	0.356	0.41	3.0	0.22	0.09	0.20	0.26	0.	-0.08	0.71	1.585	-2.	0	76	
20261	GTR208	DISTILL	1.	1.00	0.262	0.41	2.2	0.16	0.07	0.25	0.19	0.	0.	0.66	1.483	-1.	0	69	
20261	GTR208	DISTILL	1.	1.84	0.335	0.41	2.4	0.18	0.08	0.19	0.24	0.	-0.05	0.63	1.413	-1.	0	78	
20261	GTR212	DISTILL	1.	1.00	0.259	0.41	2.2	0.17	0.07	0.25	0.19	0.	0.	0.67	1.506	-1.	0	69	
20261	GTR212	DISTILL	1.	1.98	0.340	0.41	2.6	0.19	0.08	0.19	0.25	0.	-0.06	0.66	1.474	-1.	0	77	
20261	GTR216	DISTILL	1.	1.00	0.264	0.41	2.3	0.17	0.07	0.25	0.19	0.	0.	0.68	1.511	-1.	0	69	
20261	GTR216	DISTILL	1.	2.02	0.349	0.41	2.7	0.20	0.09	0.20	0.25	0.	-0.06	0.67	1.492	-2.	0	77	
20261	GTRW08	DISTILL	1.	1.00	0.217	0.41	2.5	0.18	0.08	0.26	0.20	0.	0.	0.72	1.608	-2.	0	68	
20261	GTRW08	DISTILL	1.	2.81	0.314	0.41	3.5	0.26	0.11	0.23	0.34	0.	-0.11	0.82	1.826	-2.	0	71	
20261	GTRW12	DISTILL	1.	1.00	0.229	0.41	2.5	0.18	0.08	0.26	0.19	0.	0.	0.71	1.599	-2.	0	68	
20261	GTRW12	DISTILL	1.	2.90	0.334	0.41	3.5	0.26	0.11	0.23	0.33	0.	-0.12	0.82	1.825	-2.	0	71	
20261	GTRW16	DISTILL	1.	1.00	0.230	0.41	2.5	0.19	0.08	0.26	0.19	0.	0.	0.72	1.617	-2.	0	68	
20261	GTRW16	DISTILL	1.	2.72	0.331	0.41	3.6	0.26	0.11	0.23	0.32	0.	-0.11	0.81	1.820	-2.	0	72	
20261	GTR308	DISTILL	1.	1.00	0.211	0.41	2.2	0.17	0.07	0.25	0.20	0.	0.	0.69	1.539	-1.	0	67	
20261	GTR308	DISTILL	1.	2.11	0.282	0.41	2.7	0.20	0.08	0.20	0.29	0.	-0.07	0.70	1.565	-2.	0	71	
20261	GTR312	DISTILL	1.	1.00	0.232	0.41	2.3	0.17	0.07	0.26	0.19	0.	0.	0.70	1.556	-1.	0	68	
20261	GTR312	DISTILL	1.	2.43	0.323	0.41	3.0	0.22	0.09	0.21	0.30	0.	-0.09	0.73	1.640	-2.	0	72	
20261	GTR316	DISTILL	1.	1.00	0.230	0.41	2.4	0.18	0.08	0.26	0.19	0.	0.	0.71	1.581	-2.	0	68	
20261	GTR316	DISTILL	1.	2.39	0.320	0.41	3.1	0.23	0.10	0.21	0.30	0.	-0.09	0.75	1.678	-2.	0	72	
20261	FCPADS	DISTILL	1.	1.00	0.250	0.41	1.8	0.14	0.06	0.23	0.19	0.	0.	0.61	1.367	-1.	0	68	
20261	FCPADS	DISTILL	1.	2.86	0.364	0.41	2.7	0.20	0.09	0.23	0.31	0.	-0.12	0.71	1.583	-2.	0	71	
20261	FCMCDS	DISTILL	1.	1.00	0.226	0.41	2.0	0.15	0.06	0.23	0.19	0.	0.	0.64	1.432	-1.	0	68	
20261	FCMCDS	DISTILL	1.	4.35	0.360	0.41	4.2	0.31	0.13	0.31	0.44	0.	-0.21	0.98	2.201	-3.	0	68	
20461	ONOCGN	RESIDUA	29.	0.	0.	0.15	22.4	1.66	0.71	1.00	18.62	7.24	0.	29.22	1.000	0.	0	0	
20461	STM141	RESIDUA	29.	1.00	0.176	0.15	29.6	2.24	0.95	1.57	21.36	0.	0.	26.12	0.894	6.	27	4	
20461	STM141	RESIDUA	29.	2.04	0.277	0.15	28.1	2.13	0.91	1.29	24.21	0.	-4.51	24.03	0.822	13.	47	3	
20461	STM141	COAL-FG	29.	1.00	0.176	0.15	51.9	3.94	1.67	3.04	12.40	0.	0.	21.05	0.720	11.	20	5	
20461	STM141	COAL-FG	29.	2.04	0.277	0.15	59.0	4.48	1.90	2.90	14.06	0.	-4.51	18.83	0.645	15.	21	5	
20461	STM141	COAL-AF	29.	1.00	0.176	0.15	43.4	3.30	1.40	2.83	12.40	0.	0.	19.93	0.682	19.	28	4	
20461	STM141	COAL-AF	29.	2.04	0.277	0.15	41.8	3.17	1.35	2.57	14.06	0.	-4.51	16.64	0.570	30.	37	3	
20461	STM088	RESIDUA	29.	1.00	0.176	0.15	24.9	1.89	0.80	1.44	21.36	0.	0.	25.50	0.873	10.	64	2	
20461	STM088	RESIDUA	29.	1.61	0.241	0.15	25.8	1.96	0.83	1.23	23.03	0.	-2.64	24.41	0.835	13.	64	2	
20461	STM088	COAL-FG	29.	1.00	0.176	0.15	51.1	3.88	1.65	2.98	12.40	0.	0.	20.91	0.716	12.	21	5	
20461	STM088	COAL-FG	29.	1.61	0.241	0.15	55.5	4.21	1.79	2.73	13.37	0.	-2.64	19.46	0.666	14.	21	5	
20461	STM088	COAL-AF	29.	1.00	0.176	0.15	42.0	3.19	1.36	2.80	12.40	0.	0.	19.75	0.676	20.	30	4	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
20461	PFBSTM	COAL-PF	29.	1.00	0.174	0.15	52.3	3.97	1.69	3.40	12.43	0.	0.	21.49	0.735	9.	20	5	
20461	PFBSTM	COAL-PF	29.	2.96	0.332	0.15	58.6	4.44	1.89	4.23	15.59	0.	-8.49	17.66	0.604	18.	22	5	
20461	TISTMT	RESIDUA	29.	1.00	0.173	0.15	69.3	5.26	2.24	2.56	21.43	0.	0.	31.48	1.077	-30.	0	28	
20461	TISTMT	RESIDUA	29.	3.80	0.368	0.15	150.9	11.45	4.87	4.45	29.30	0.	-12.18	37.90	1.297	-89.	0	999	
20461	TISTMT	COAL	29.	1.00	0.173	0.15	95.5	7.24	3.08	4.09	12.44	0.	0.	26.85	0.919	-28.	7	11	
20461	TISTMT	COAL	29.	3.80	0.368	0.15	189.7	14.40	6.12	6.28	17.01	0.	-12.18	31.63	1.083	-88.	4	16	
20461	TIHRSG	RESIDUA	29.	1.00	0.152	0.15	97.4	7.21	3.07	3.14	21.96	0.	0.	35.38	1.211	-54.	0	999	
20461	TIHRSG	RESIDUA	29.	1.41	0.192	0.15	119.8	8.87	3.77	3.46	23.32	0.	-1.76	37.66	1.289	-72.	0	318	
20461	TIHRSG	COAL	29.	1.00	0.152	0.15	132.0	10.01	4.26	4.89	12.75	0.	0.	31.91	1.092	-61.	3	18	
20461	TIHRSG	COAL	29.	1.41	0.192	0.15	152.7	11.59	4.93	5.05	13.54	0.	-1.76	33.34	1.141	-76.	2	21	
20461	STIRL	DISTILL	29.	1.00	0.129	0.15	38.3	2.84	1.21	1.74	27.66	0.	0.	33.45	1.145	-21.	0	61	
20461	STIRL	DISTILL	29.	4.14	0.284	0.15	75.9	5.62	2.39	2.54	42.89	0.	-13.65	39.80	1.362	-58.	0	63	
20461	STIRL	RESIDUA	29.	1.00	0.129	0.15	38.4	2.84	1.21	1.74	22.57	0.	0.	28.36	0.971	-5.	9	9	
20461	STIRL	RESIDUA	29.	4.14	0.284	0.15	76.0	5.63	2.39	2.55	34.99	0.	-13.65	31.91	1.092	-34.	0	999	
20461	STIRL	COAL	29.	1.00	0.129	0.15	64.4	4.77	2.03	3.30	13.10	0.	0.	23.20	0.794	-1.	14	7	
20461	STIRL	COAL	29.	4.14	0.284	0.15	134.1	9.34	4.22	5.05	20.32	0.	-13.65	25.87	0.885	-42.	7	11	
20461	HEGT85	COAL-AF	29.	1.00	0.091	0.15	81.5	6.19	2.63	3.61	13.68	0.	0.	26.11	0.894	-19.	9	10	
20461	HEGT85	COAL-AF	29.	8.00	0.244	0.15	233.6	17.72	7.54	8.43	33.80	0.	-30.42	37.06	1.268	-126.	1	23	
20461	HEGT60	COAL-AF	29.	1.00	0.089	0.15	79.3	6.02	2.56	3.58	13.70	0.	0.	25.86	0.885	-17.	9	9	
20461	HEGT60	COAL-AF	29.	4.62	0.204	0.15	156.6	11.89	5.05	5.89	24.18	0.	-15.72	31.28	1.071	-71.	4	16	
20461	HEGT00	COAL-AF	29.	1.00	0.082	0.15	76.3	5.79	2.46	3.55	13.81	0.	0.	25.61	0.876	-15.	10	9	
20461	HEGT00	COAL-AF	29.	2.30	0.138	0.15	99.5	7.55	3.21	4.03	17.72	0.	-5.65	26.87	0.919	-30.	7	11	
20461	FCMCCL	COAL	29.	1.00	0.151	0.15	75.2	5.84	2.48	3.85	12.77	0.	0.	24.96	0.854	-13.	10	9	
20461	FCMCCL	COAL	29.	4.33	0.338	0.15	125.4	9.75	4.15	6.56	19.32	0.	-14.47	25.30	0.866	-39.	7	10	
20461	FCSTCL	COAL	29.	1.00	0.157	0.15	72.3	5.62	2.39	3.74	12.68	0.	0.	24.42	0.836	-10.	11	8	
20461	FCSTCL	COAL	29.	7.65	0.419	0.15	163.2	12.69	5.40	8.55	25.10	0.	-28.88	22.86	0.782	-50.	8	10	
20461	IGGTST	COAL	29.	1.00	0.129	0.15	69.0	5.36	2.28	3.31	13.11	0.	0.	24.06	0.823	-7.	12	8	
20461	IGGTST	COAL	29.	5.48	0.312	0.15	128.9	10.02	4.26	4.25	23.41	0.	-19.47	22.47	0.769	-32.	9	9	
20461	GTSOAR	RESIDUA	29.	1.00	0.137	0.15	32.2	2.38	1.01	1.52	22.36	0.	0.	27.28	0.934	1.	17	6	
20461	GTSOAR	RESIDUA	29.	4.32	0.306	0.15	51.5	3.81	1.62	1.82	34.78	0.	-14.42	27.62	0.945	-9.	9	9	
20461	GTAC08	RESIDUA	29.	1.00	0.148	0.15	30.4	2.25	0.96	1.48	22.09	0.	0.	26.78	0.916	4.	22	5	
20461	GTAC08	RESIDUA	29.	3.60	0.307	0.15	39.2	2.90	1.23	1.50	31.11	0.	-11.28	25.46	0.871	4.	18	5	
20461	GTAC12	RESIDUA	29.	1.00	0.150	0.15	31.0	2.30	0.98	1.49	22.01	0.	0.	26.78	0.916	4.	21	5	
20461	GTAC12	RESIDUA	29.	4.37	0.337	0.15	46.2	3.42	1.46	1.68	33.48	0.	-14.66	25.39	0.869	1.	15	6	
20461	GTAC16	RESIDUA	29.	1.00	0.150	0.15	31.8	2.36	1.00	1.50	22.03	0.	0.	26.89	0.920	3.	20	5	
20461	GTAC16	RESIDUA	29.	4.88	0.350	0.15	55.7	4.13	1.75	1.93	35.25	0.	-16.84	26.22	0.897	-6.	11	8	
20461	GTWC16	RESIDUA	29.	1.00	0.131	0.15	31.7	2.35	1.00	1.51	22.51	0.	0.	27.37	0.937	1.	17	6	
20461	GTWC16	RESIDUA	29.	5.29	0.315	0.15	49.6	3.67	1.56	1.80	39.23	0.	-18.65	27.62	0.945	-8.	9	9	
20461	CC1626	RESIDUA	29.	1.00	0.133	0.15	32.0	2.43	1.03	1.61	22.47	0.	0.	27.54	0.942	0.	15	6	
20461	CC1626	RESIDUA	29.	9.50	0.371	0.15	78.3	5.94	2.53	2.76	55.28	0.	-36.93	29.57	1.012	-28.	4	14	
20461	CC1622	RESIDUA	29.	1.00	0.139	0.15	31.9	2.42	1.03	1.60	22.31	0.	0.	27.37	0.937	1.	16	6	
20461	CC1622	RESIDUA	29.	8.57	0.380	0.15	79.2	6.01	2.56	2.71	50.31	0.	-32.89	28.70	0.982	-26.	6	12	
20461	CC1222	RESIDUA	29.	1.00	0.140	0.15	31.3	2.38	1.01	1.59	22.28	0.	0.	27.26	0.933	2.	17	6	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER /HEAT COST	CAPITAL COST	CAPITAL COST	TAXES	GANDM	FUEL	PURCHD ELEC	REVENUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY BACK			
SYSTEM		MW		RATIO *10**6			INSNC							15%					
20461 CC0822	RESIDUA	29.	1.00	0.150	0.15	31.2	2.36	1.01	1.59	22.03	0.	0.	26.99	0.924	2.	19	5		
20461 CC0822	RESIDUA	29.	6.92	0.389	0.15	61.2	4.65	1.98	2.26	42.25	0.	-25.72	25.41	0.870	-7.	11	8		
20461 STIG15	RESIDUA	29.	1.00	0.049	0.15	35.4	2.62	1.11	1.79	24.65	0.	0.	30.18	1.033	-9.	0	99		
20461 STIG15	RESIDUA	29.	198.62	0.171	0.15	1371.1	101.56	43.18	73.68	1217.15	0.	-858.48	577.08	19.749	-2354.	0	59		
20461 STIG10	RESIDUA	29.	1.00	0.070	0.15	34.4	2.55	1.08	1.71	24.10	0.	0.	29.44	1.008	-6.	3	17		
20461 STIG10	RESIDUA	29.	18.37	0.218	0.15	145.3	10.76	4.58	6.80	119.42	0.	-75.44	66.11	2.253	-173.	0	60		
20461 STIG15	RESIDUA	29.	1.00	0.079	0.15	30.7	2.28	0.97	1.63	23.85	0.	0.	28.72	0.983	-2.	9	9		
20461 STIG15	RESIDUA	29.	10.78	0.228	0.15	91.2	6.76	2.87	4.45	75.06	0.	-42.47	46.67	1.597	-87.	0	61		
20461 DEADV3	RESIDUA	29.	1.00	0.111	0.15	41.0	3.04	1.29	1.79	23.03	0.	0.	29.15	0.998	-9.	5	13		
20461 DEADV3	RESIDUA	22.	9.90	0.314	0.15	182.6	13.52	5.75	5.36	62.28	0.	-38.65	48.26	1.652	-135.	0	81		
20461 DEHTPM	RESIDUA	29.	1.00	0.162	0.15	40.3	2.98	1.27	1.82	21.70	0.	0.	27.78	0.951	-4.	10	8		
20461 DEHTPM	RESIDUA	29.	5.63	0.397	0.15	107.7	7.98	3.39	3.45	36.00	0.	-20.10	30.71	1.051	-45.	3	16		
20461 DESO3	DISTILL	29.	1.00	0.097	0.15	45.7	3.38	1.44	1.91	28.69	0.	0.	35.43	1.212	-30.	0	61		
20461 DESO3	DISTILL	29.	11.12	0.279	0.15	254.2	18.83	8.00	7.19	88.14	0.	-43.95	78.21	2.677	-262.	0	63		
20461 DESO3	RESIDUA	29.	1.00	0.097	0.15	45.7	3.38	1.44	1.91	23.41	0.	0.	30.14	1.032	-14.	1	24		
20461 DESO3	RESIDUA	29.	11.12	0.279	0.15	254.2	18.83	8.00	7.19	71.91	0.	-43.95	61.97	2.121	-211.	0	71		
20461 GTSOAD	DISTILL	29.	1.00	0.146	0.15	29.8	2.21	0.94	1.46	27.13	0.	0.	31.73	1.086	-11.	0	60		
20461 GTSOAD	DISTILL	29.	4.16	0.321	0.15	40.1	2.97	1.26	1.53	40.73	0.	-13.71	32.79	1.122	-19.	0	63		
20461 GTRA08	DISTILL	29.	1.00	0.141	0.15	33.1	2.45	1.04	1.53	27.28	0.	0.	32.30	1.106	-15.	0	60		
20461 GTRA08	DISTILL	29.	6.42	0.358	0.15	71.0	5.26	2.24	2.35	51.49	0.	-23.56	37.78	1.293	-50.	0	65		
20461 GTRA12	DISTILL	29.	1.00	0.143	0.15	33.3	2.46	1.05	1.54	27.23	0.	0.	32.28	1.105	-15.	0	61		
20461 GTRA12	DISTILL	29.	6.37	0.362	0.15	70.3	5.21	2.21	2.33	50.92	0.	-23.32	37.34	1.278	-48.	0	66		
20461 GTRA16	DISTILL	29.	1.00	0.143	0.15	34.0	2.52	1.07	1.56	27.22	0.	0.	32.38	1.108	-15.	0	61		
20461 GTRA16	DISTILL	29.	6.01	0.356	0.15	71.3	5.28	2.25	2.35	49.31	0.	-21.78	37.41	1.280	-49.	0	66		
20461 GTR208	DISTILL	29.	1.00	0.142	0.15	32.0	2.37	1.01	1.51	27.25	0.	0.	32.15	1.100	-14.	0	60		
20461 GTR208	DISTILL	29.	5.06	0.335	0.15	56.1	4.16	1.77	1.95	45.27	0.	-17.65	35.51	1.215	-35.	0	64		
20461 GTR212	DISTILL	29.	1.00	0.141	0.15	32.6	2.41	1.03	1.52	27.30	0.	0.	32.26	1.104	-14.	0	60		
20461 GTR212	DISTILL	29.	5.44	0.340	0.15	60.7	4.50	1.91	2.07	47.17	0.	-19.28	36.37	1.245	-40.	0	64		
20461 GTR216	DISTILL	29.	1.00	0.143	0.15	33.2	2.46	1.05	1.54	27.21	0.	0.	32.26	1.104	-15.	0	61		
20461 GTR216	DISTILL	29.	5.56	0.349	0.15	65.0	4.81	2.05	2.18	47.23	0.	-19.61	36.46	1.248	-43.	0	66		
20461 GTRW08	DISTILL	29.	1.00	0.118	0.15	32.9	2.44	1.04	1.53	28.02	0.	0.	33.03	1.130	-17.	0	59		
20461 GTRW08	DISTILL	29.	7.74	0.314	0.15	73.0	5.41	2.30	2.44	63.08	0.	-29.26	43.96	1.505	-70.	0	60		
20461 GTRW12	DISTILL	29.	1.00	0.124	0.15	32.9	2.44	1.04	1.53	27.82	0.	0.	32.83	1.123	-16.	0	59		
20461 GTRW12	DISTILL	29.	7.98	0.334	0.15	74.3	5.50	2.34	2.47	62.76	0.	-30.33	42.75	1.463	-67.	0	61		
20461 GTRW16	DISTILL	29.	1.00	0.125	0.15	33.4	2.48	1.05	1.55	27.79	0.	0.	32.87	1.125	-17.	0	60		
20461 GTRW16	DISTILL	29.	7.50	0.331	0.15	74.2	5.50	2.34	2.46	60.11	0.	-28.23	42.18	1.444	-65.	0	61		
20461 GTR308	DISTILL	29.	1.00	0.114	0.15	32.1	2.38	1.01	1.52	28.13	0.	0.	33.04	1.131	-17.	0	59		
20461 GTR308	DISTILL	29.	5.82	0.282	0.15	59.5	4.41	1.87	2.07	53.73	0.	-20.94	41.14	1.408	-55.	0	59		
20461 GTR312	DISTILL	29.	1.00	0.126	0.15	32.1	2.38	1.01	1.51	27.77	0.	0.	32.67	1.118	-15.	0	59		
20461 GTR312	DISTILL	29.	6.68	0.323	0.15	63.9	4.73	2.01	2.19	55.90	0.	-24.68	40.16	1.374	-54.	0	61		
20461 GTR316	DISTILL	29.	1.00	0.125	0.15	32.7	2.42	1.03	1.53	27.79	0.	0.	32.78	1.122	-16.	0	59		
20461 GTR316	DISTILL	29.	6.58	0.320	0.15	65.9	4.88	2.08	2.24	55.58	0.	-24.25	40.52	1.387	-56.	0	61		
20461 FCPADS	DISTILL	29.	1.00	0.092	0.15	42.7	3.16	1.34	3.73	28.84	0.	0.	37.08	1.269	-34.	0	60		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC							15%	%	PAY				
20461	FCMCDS	DISTILL	29.	1.00	0.123	0.15	43.9	3.25	1.38	3.59	27.86	0.	0.	36.06	1.235	-32.	0	61	
20461	FCMCDS	DISTILL	29.	11.98	0.360	0.15	210.2	15.57	6.62	28.67	83.24	0.	-47.71	86.40	2.957	-270.	0	62	
20631	ONOCGN	RESIDUA	5.	0.	0.	0.05	12.3	0.91	0.39	0.64	2.83	0.51	0.	5.27	1.000	0.	0	0	
20631	STM141	RESIDUA	5.	1.00	0.095	0.05	11.7	0.89	0.38	0.89	3.02	0.	0.	5.17	0.981	0.	999	0	
20631	STM141	RESIDUA	5.	5.64	0.315	0.05	16.3	1.23	0.52	0.87	3.91	0.	-1.41	5.13	0.973	-2.	7	11	
20631	STM141	COAL-FG	5.	1.00	0.095	0.05	26.6	2.02	0.86	1.67	1.75	0.	0.	6.30	1.194	-10.	0	999	
20631	STM141	COAL-FG	5.	5.64	0.315	0.05	29.2	2.22	0.94	1.53	2.27	0.	-1.41	5.55	1.053	-9.	4	16	
20631	STM141	COAL-AF	5.	1.00	0.095	0.05	25.1	1.90	0.81	1.57	1.75	0.	0.	6.04	1.145	-9.	0	999	
20631	STM141	COAL-AF	5.	5.64	0.315	0.05	21.3	1.61	0.69	1.27	2.27	0.	-1.41	4.43	0.839	-2.	11	8	
20631	STM088	RESIDUA	5.	1.00	0.095	0.05	11.5	0.87	0.37	0.89	3.02	0.	0.	5.16	0.978	1.	999	0	
20631	STM088	RESIDUA	5.	4.46	0.278	0.05	14.7	1.12	0.48	0.83	3.68	0.	-1.05	5.06	0.959	-1.	10	9	
20631	STM088	COAL-FG	5.	1.00	0.095	0.05	26.6	2.02	0.86	1.68	1.75	0.	0.	6.31	1.197	-10.	0	999	
20631	STM088	COAL-FG	5.	4.46	0.278	0.05	27.2	2.06	0.88	1.46	2.14	0.	-1.05	5.49	1.041	-8.	4	16	
20631	STM088	COAL-AF	5.	1.00	0.095	0.05	25.0	1.90	0.81	1.58	1.75	0.	0.	6.04	1.145	-9.	0	999	
20631	STM088	COAL-AF	5.	4.46	0.278	0.05	20.3	1.54	0.65	1.23	2.14	0.	-1.05	4.51	0.855	-2.	11	8	
20631	PFBSTM	COAL-PF	5.	1.00	0.095	0.05	26.3	2.00	0.85	1.61	1.76	0.	0.	6.22	1.179	-10.	0	999	
20631	PFBSTM	COAL-PF	5.	8.18	0.369	0.05	34.8	2.64	1.12	1.86	2.57	0.	-2.18	6.00	1.138	-13.	2	21	
20631	TISTMT	RESIDUA	5.	1.00	0.094	0.05	22.2	1.69	0.72	1.13	3.02	0.	0.	6.56	1.244	-9.	0	83	
20631	TISTMT	RESIDUA	5.	8.26	0.368	0.05	72.4	5.49	2.33	2.48	4.45	0.	-2.21	12.56	2.381	-52.	0	82	
20631	TISTMT	COAL	5.	1.00	0.094	0.05	36.1	2.74	1.16	1.87	1.76	0.	0.	7.53	1.428	-19.	0	295	
20631	TISTMT	COAL	5.	10.53	0.403	0.05	105.9	8.03	3.42	3.50	2.84	0.	-2.90	14.90	2.826	-75.	0	112	
20631	TIHRSG	RESIDUA	5.	1.00	0.083	0.05	29.5	2.19	0.93	1.26	3.06	0.	0.	7.44	1.412	-15.	0	78	
20631	TIHRSG	RESIDUA	5.	3.05	0.192	0.05	57.8	4.28	1.82	1.97	3.54	0.	-0.62	10.99	2.084	-39.	0	77	
20631	TIHRSG	COAL	5.	1.00	0.083	0.05	46.3	3.52	1.50	2.09	1.78	0.	0.	8.88	1.684	-28.	0	113	
20631	TIHRSG	COAL	5.	3.89	0.223	0.05	85.1	6.46	2.74	2.79	2.17	0.	-0.88	13.28	2.519	-60.	0	95	
20631	STIRL	DISTILL	5.	1.00	0.070	0.05	14.3	1.06	0.45	0.89	3.81	0.	0.	6.20	1.177	-4.	0	59	
20631	STIRL	DISTILL	5.	9.00	0.284	0.05	31.4	2.32	0.99	1.44	6.52	0.	-2.43	8.84	1.676	-20.	0	65	
20631	STIRL	RESIDUA	5.	1.00	0.070	0.05	14.3	1.06	0.45	0.89	3.10	0.	0.	5.50	1.044	-2.	0	143	
20631	STIRL	RESIDUA	5.	9.00	0.284	0.05	31.4	2.33	0.99	1.44	5.32	0.	-2.43	7.64	1.449	-16.	0	61	
20631	STIRL	COAL	5.	1.00	0.070	0.05	26.9	2.00	0.85	1.59	1.80	0.	0.	6.24	1.183	-10.	0	999	
20631	STIRL	COAL	5.	11.48	0.309	0.05	62.4	4.62	1.97	2.43	3.48	0.	-3.18	9.32	1.768	-36.	0	999	
20631	HEGT85	COAL-AF	5.	1.00	0.049	0.05	32.9	2.50	1.06	1.62	1.84	0.	0.	7.02	1.332	-16.	0	999	
20631	HEGT85	COAL-AF	5.	22.17	0.258	0.05	133.9	10.16	4.32	4.24	6.10	0.	-6.43	18.39	3.487	-100.	0	98	
20631	HEGT60	COAL-AF	5.	1.00	0.048	0.05	32.5	2.46	1.05	1.62	1.84	0.	0.	6.98	1.324	-15.	0	999	
20631	HEGT60	COAL-AF	5.	12.79	0.221	0.05	90.0	6.83	2.91	2.98	4.23	0.	-3.58	13.36	2.535	-63.	0	103	
20631	HEGT00	COAL-AF	5.	1.00	0.045	0.05	32.0	2.43	1.03	1.63	1.85	0.	0.	6.93	1.315	-15.	0	999	
20631	HEGT00	COAL-AF	5.	6.37	0.156	0.05	57.2	4.34	1.84	2.04	2.98	0.	-1.63	9.57	1.814	-35.	0	161	
20631	FCMCCL	COAL	5.	1.00	0.151	0.05	33.4	2.60	1.10	1.69	2.23	0.	0.	7.63	1.447	-18.	0	114	
20631	FCMCCL	COAL	5.	12.00	0.280	0.05	70.9	5.51	2.34	2.81	3.74	0.	-3.34	11.07	2.099	-47.	0	167	
20631	FCSTCL	COAL	5.	1.00	0.148	0.05	32.5	2.52	1.07	1.72	2.23	0.	0.	7.54	1.430	-17.	0	114	
20631	FCSTCL	COAL	5.	21.18	0.386	0.05	92.1	7.16	3.05	3.67	4.86	0.	-6.13	12.61	2.392	-63.	0	567	
20631	IGGTST	COAL	5.	1.00	0.163	0.05	31.6	2.46	1.04	1.75	2.26	0.	0.	7.51	1.424	-17.	0	107	
20631	IGGTST	COAL	5.	15.18	0.262	0.05	71.5	5.56	2.36	2.60	4.54	0.	-4.31	10.74	2.037	-47.	0	376	

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS					
SYSTEM	FUEL	REQD	GEN/	HEAT	COST			ELEC				WORTH	%	PAY					
		MW	REQD	RATIO	*10**6	INSNC						15%		BACK					
20631	GTSOAR	RESIDUA	5.	9.38	0.306	0.05	23.5	1.74	0.74	1.16	5.28	0.	-2.55	6.38	1.210	-9.	0	137	
20631	GTAC08	RESIDUA	5.	1.00	0.080	0.05	13.1	0.97	0.41	0.82	3.07	0.	0.	5.28	1.002	-0.	4	16	
20631	GTAC08	RESIDUA	5.	7.81	0.307	0.05	19.6	1.45	0.62	1.05	4.73	0.	-2.07	5.78	1.097	-5.	0	909	
20631	GTAC12	RESIDUA	5.	1.00	0.082	0.05	13.1	0.97	0.41	0.82	3.07	0.	0.	5.27	0.999	-0.	5	14	
20631	GTAC12	RESIDUA	5.	9.50	0.337	0.05	22.3	1.65	0.70	1.13	5.09	0.	-2.58	5.99	1.136	-7.	0	999	
20631	GTAC16	RESIDUA	5.	1.00	0.081	0.05	13.2	0.98	0.42	0.82	3.07	0.	0.	5.28	1.002	-1.	4	16	
20631	GTAC16	RESIDUA	5.	10.59	0.350	0.05	24.8	1.84	0.78	1.20	5.35	0.	-2.91	6.26	1.186	-9.	0	999	
20631	GTWC16	RESIDUA	5.	1.00	0.071	0.05	13.5	1.00	0.43	0.83	3.10	0.	0.	5.36	1.016	-1.	0	909	
20631	GTWC16	RESIDUA	5.	11.49	0.315	0.05	24.9	1.85	0.79	1.22	5.96	0.	-3.19	6.62	1.256	-10.	0	104	
20631	CC1626	RESIDUA	5.	1.00	0.072	0.05	13.4	1.02	0.43	0.89	3.10	0.	0.	5.44	1.032	-1.	0	240	
20631	CC1626	RESIDUA	5.	20.63	0.371	0.05	35.0	2.65	1.13	1.64	8.40	0.	-5.97	7.86	1.490	-19.	0	96	
20631	CC1622	RESIDUA	5.	1.00	0.075	0.05	13.1	1.00	0.42	0.89	3.09	0.	0.	5.40	1.023	-1.	0	999	
20631	CC1622	RESIDUA	5.	18.61	0.380	0.05	34.6	2.62	1.12	1.61	7.64	0.	-5.35	7.64	1.449	-18.	0	114	
20631	CC1222	RESIDUA	5.	1.00	0.076	0.05	13.0	0.99	0.42	0.88	3.08	0.	0.	5.37	1.019	-1.	0	999	
20631	CC1222	RESIDUA	5.	18.59	0.383	0.05	32.9	2.50	1.06	1.58	7.59	0.	-5.35	7.38	1.401	-17.	0	135	
20631	CC0822	RESIDUA	5.	1.00	0.081	0.05	13.2	1.00	0.43	0.89	3.07	0.	0.	5.38	1.021	-1.	0	999	
20631	CC0822	RESIDUA	5.	15.03	0.389	0.05	28.1	2.13	0.91	1.43	6.42	0.	-4.26	6.62	1.256	-12.	0	990	
20631	STIG15	RESIDUA	5.	1.00	0.026	0.05	16.3	1.20	0.51	0.91	3.25	0.	0.	5.87	1.114	-4.	0	73	
20631	STIG15	RESIDUA	5.	431.31	0.171	0.05	510.6	37.82	16.08	20.00	184.92	0.	-130.78	128.03	24.282	-619.	0	61	
20631	STIG10	RESIDUA	5.	1.00	0.038	0.05	13.1	0.97	0.41	0.83	3.21	0.	0.	5.42	1.027	-1.	0	81	
20631	STIG10	RESIDUA	5.	39.88	0.218	0.05	56.7	4.20	1.79	2.56	18.14	0.	-11.82	14.87	2.820	-51.	0	63	
20631	STIG1S	RESIDUA	5.	1.00	0.043	0.05	13.0	0.96	0.41	0.83	3.19	0.	0.	5.39	1.023	-1.	0	93	
20631	STIG1S	RESIDUA	5.	23.40	0.228	0.05	39.1	2.90	1.23	1.90	11.40	0.	-6.81	10.62	2.015	-29.	0	64	
20631	DEADV3	RESIDUA	5.	1.00	0.060	0.05	16.3	1.21	0.51	0.92	3.14	0.	0.	5.79	1.097	-4.	0	85	
20631	DEADV3	RESIDUA	5.	21.49	0.314	0.05	70.2	5.20	2.21	2.51	9.46	0.	-6.23	13.16	2.495	-52.	0	73	
20631	DEHTPM	RESIDUA	5.	1.00	0.088	0.05	16.2	1.20	0.51	0.95	3.04	0.	0.	5.71	1.082	-3.	0	116	
20631	DEHTPM	RESIDUA	5.	12.22	0.397	0.05	42.8	3.17	1.35	1.80	5.47	0.	-3.41	8.38	1.590	-24.	0	113	
20631	DESOA3	DISTILL	5.	1.00	0.052	0.05	15.5	1.15	0.49	0.91	3.88	0.	0.	6.42	1.218	-5.	0	60	
20631	DESOA3	DISTILL	5.	24.14	0.279	0.05	96.0	7.11	3.02	3.19	13.39	0.	-7.03	19.68	3.733	-84.	0	66	
20631	DESOA3	RESIDUA	5.	1.00	0.052	0.05	15.5	1.15	0.49	0.91	3.16	0.	0.	5.71	1.083	-3.	0	82	
20631	DESOA3	RESIDUA	5.	24.14	0.279	0.05	96.0	7.11	3.02	3.19	10.92	0.	-7.03	17.22	3.265	-77.	0	71	
20631	GTSOAD	DISTILL	5.	1.00	0.079	0.05	12.9	0.95	0.41	0.82	3.77	0.	0.	5.94	1.127	-2.	0	57	
20631	GTSOAD	DISTILL	5.	9.02	0.321	0.05	20.0	1.48	0.63	1.07	6.19	0.	-2.44	6.93	1.314	-9.	0	63	
20631	GTRA08	DISTILL	5.	1.00	0.077	0.05	13.8	1.02	0.44	0.83	3.78	0.	0.	6.07	1.151	-3.	0	59	
20631	GTRA08	DISTILL	5.	13.95	0.358	0.05	32.0	2.37	1.01	1.40	7.82	0.	-3.94	8.67	1.645	-20.	0	66	
20631	GTRA12	DISTILL	5.	1.00	0.077	0.05	13.8	1.02	0.43	0.83	3.78	0.	0.	6.06	1.149	-3.	0	58	
20631	GTRA12	DISTILL	5.	13.83	0.362	0.05	30.7	2.27	0.97	1.37	7.74	0.	-3.90	8.45	1.602	-19.	0	66	
20631	GTRA16	DISTILL	5.	1.00	0.078	0.05	14.0	1.04	0.44	0.84	3.78	0.	0.	6.09	1.154	-3.	0	59	
20631	GTRA16	DISTILL	5.	13.06	0.356	0.05	31.1	2.30	0.98	1.37	7.49	0.	-3.66	8.48	1.609	-19.	0	67	
20631	GTR208	DISTILL	5.	1.00	0.077	0.05	13.5	1.00	0.43	0.83	3.78	0.	0.	6.03	1.144	-3.	0	58	
20631	GTR208	DISTILL	5.	10.99	0.335	0.05	25.2	1.87	0.79	1.22	6.88	0.	-3.04	7.72	1.463	-14.	0	65	
20631	GTR212	DISTILL	5.	1.00	0.076	0.05	13.6	1.01	0.43	0.83	3.78	0.	0.	6.05	1.147	-3.	0	58	
20631	GTR212	DISTILL	5.	11.81	0.340	0.05	27.0	2.00	0.85	1.27	7.17	0.	-3.29	8.00	1.516	-15.	0	65	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC			ELEC				WORTH	%	PAY				
													15%		PERK				
20631	GTR216	DISTILL	5.	12.08	0.349	0.05	28.6	2.12	0.90	1.31	7.18	0.	-3.37	8.13	1.542	-17.	0	66	
20631	GTRW08	DISTILL	5.	1.00	0.064	0.05	13.9	1.03	0.44	0.84	3.83	0.	0.	6.13	1.163	-3.	0	58	
20631	GTRW08	DISTILL	5.	16.80	0.314	0.05	32.2	2.39	1.01	1.44	9.58	0.	-4.80	9.62	1.825	-23.	0	63	
20631	GTRW12	DISTILL	5.	1.00	0.067	0.05	13.9	1.03	0.44	0.83	3.82	0.	0.	6.12	1.160	-3.	0	58	
20631	GTRW12	DISTILL	5.	17.33	0.334	0.05	32.7	2.42	1.03	1.45	9.53	0.	-4.96	9.48	1.798	-23.	0	63	
20631	GTRW16	DISTILL	5.	1.00	0.068	0.05	14.1	1.04	0.44	0.84	3.81	0.	0.	6.14	1.164	-4.	0	59	
20631	GTRW16	DISTILL	5.	16.28	0.331	0.05	32.7	2.42	1.03	1.44	9.13	0.	-4.64	9.38	1.780	-23.	0	64	
20631	GTR308	DISTILL	5.	1.00	0.062	0.05	13.6	1.00	0.43	0.83	3.84	0.	0.	6.10	1.157	-3.	0	59	
20631	GTR308	DISTILL	5.	12.64	0.282	0.05	26.7	1.98	0.84	1.28	8.16	0.	-3.54	8.72	1.655	-18.	0	62	
20631	GTR312	DISTILL	5.	1.00	0.068	0.05	13.6	1.01	0.43	0.83	3.81	0.	0.	6.08	1.154	-3.	0	53	
20631	GTR312	DISTILL	5.	14.51	0.323	0.05	28.5	2.11	0.90	1.33	8.49	0.	-4.11	8.73	1.655	-18.	0	63	
20631	GTR316	DISTILL	5.	1.00	0.068	0.05	13.8	1.03	0.44	0.84	3.81	0.	0.	6.11	1.159	-3.	0	58	
20631	GTR316	DISTILL	5.	14.30	0.320	0.05	29.4	2.17	0.92	1.35	8.44	0.	-4.04	8.85	1.679	-19.	0	63	
20631	FCPADS	DISTILL	5.	1.00	0.050	0.05	14.6	1.08	0.46	0.92	3.89	0.	0.	6.35	1.205	-5.	0	59	
20631	FCPADS	DISTILL	5.	32.90	0.279	0.05	93.2	5.90	2.93	7.61	17.33	0.	-9.69	25.09	4.758	-101.	0	63	
20631	FCMCDS	DISTILL	5.	1.00	0.067	0.05	14.8	1.10	0.47	0.91	3.82	0.	0.	6.30	1.195	-4.	0	59	
20631	FCMCDS	DISTILL	5.	26.02	0.360	0.05	80.4	5.96	2.53	5.96	12.65	0.	-7.61	19.49	3.697	-77.	0	65	
20821	ONOCGN	RESIDUA	6.	0.	0.	0.24	3.5	0.26	0.11	0.32	2.43	1.53	0.	4.65	1.000	0.	0	0	
20821	STM141	RESIDUA	6.	1.00	0.243	0.24	6.9	0.53	0.22	0.61	3.01	0.	0.	4.37	0.939	-1.	10	5	
20821	STM141	RESIDUA	6.	1.25	0.277	0.24	6.6	0.50	0.21	0.49	3.16	0.	-0.23	4.13	0.887	0.	15	6	
20821	STM141	COAL-FG	6.	1.00	0.243	0.24	13.6	1.03	0.44	1.07	1.75	0.	0.	4.29	0.923	-4.	7	11	
20821	STM141	COAL-FG	6.	1.25	0.277	0.24	12.3	0.94	0.40	0.86	1.83	0.	-0.23	3.79	0.815	-2.	11	8	
20821	STM141	COAL-AF	6.	1.00	0.243	0.24	11.6	0.88	0.38	0.98	1.75	0.	0.	3.98	0.856	-2.	10	9	
20821	STM141	COAL-AF	6.	1.25	0.277	0.24	9.9	0.75	0.32	0.75	1.83	0.	-0.23	3.42	0.734	1.	17	6	
20821	STM088	RESIDUA	6.	0.99	0.240	0.24	5.9	0.45	0.19	0.46	3.01	0.01	0.	4.12	0.885	1.	13	6	
20821	STM088	COAL-FG	6.	0.99	0.240	0.24	11.4	0.86	0.37	0.82	1.75	0.01	0.	3.80	0.818	-1.	12	8	
20821	STM088	COAL-AF	6.	0.99	0.240	0.24	9.3	0.71	0.30	0.72	1.75	0.01	0.	3.49	0.750	1.	17	6	
20821	PFBSTM	COAL-PF	6.	1.00	0.240	0.24	15.4	1.17	0.50	1.18	1.75	0.	0.	4.60	0.989	-6.	5	13	
20821	PFBSTM	COAL-PF	6.	1.82	0.332	0.24	15.3	1.16	0.50	1.06	2.03	0.	-0.75	4.00	0.859	-4.	9	10	
20821	TISTMT	RESIDUA	6.	1.00	0.239	0.24	19.9	1.51	0.64	0.95	3.02	0.	0.	6.12	1.317	-13.	0	432	
20821	TISTMT	RESIDUA	6.	2.34	0.368	0.24	33.1	2.51	1.07	1.17	3.82	0.	-1.24	7.34	1.578	-23.	0	246	
20821	TISTMT	COAL	6.	1.00	0.239	0.24	28.3	2.15	0.91	1.47	1.76	0.	0.	6.28	1.350	-17.	0	999	
20821	TISTMT	COAL	6.	2.34	0.368	0.24	42.0	3.19	1.36	1.64	2.22	0.	-1.24	7.17	1.540	-26.	0	999	
20821	TIHRSG	RESIDUA	6.	0.87	0.182	0.24	26.1	1.94	0.82	0.88	3.04	0.21	0.	6.88	1.480	-18.	0	113	
20821	TIHRSG	COAL	6.	0.87	0.182	0.24	33.7	2.56	1.09	1.27	1.77	0.21	0.	6.89	1.480	-22.	0	999	
20821	STIRL	DISTILL	6.	1.00	0.205	0.24	7.0	0.52	0.22	0.58	3.88	0.	0.	5.20	1.119	-3.	0	72	
20821	STIRL	DISTILL	6.	2.90	0.341	0.24	10.9	0.81	0.34	0.58	5.58	0.	-1.75	5.56	1.196	-6.	0	79	
20821	STIRL	RESIDUA	6.	1.00	0.205	0.24	7.0	0.52	0.22	0.59	3.16	0.	0.	4.49	0.965	-1.	8	10	
20821	STIRL	RESIDUA	6.	2.90	0.341	0.24	10.9	0.81	0.34	0.58	4.56	0.	-1.75	4.54	0.975	-3.	6	12	
20821	STIRL	COAL	6.	1.00	0.205	0.24	13.9	1.03	0.44	1.05	1.84	0.	0.	4.36	0.936	-4.	7	11	
20821	STIRL	COAL	6.	2.90	0.341	0.24	18.4	1.36	0.58	1.02	2.65	0.	-1.75	3.86	0.830	-5.	9	10	
20821	HEQT85	COAL-AF	6.	1.00	0.197	0.24	24.2	1.84	0.78	1.21	1.85	0.	0.	5.68	1.221	-13.	0	29	
20821	HEQT85	COAL-AF	6.	3.13	0.337	0.24	40.0	3.03	1.29	1.44	2.80	0.	-1.96	6.60	1.420	-24.	0	999	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST			ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
20821 HEGT60	COAL-AF	6.	2.84	0.204	0.24	37.2	2.83	1.20	1.41	3.16	0.	-1.70	6.89	1.481	-23.	0	999		
20821 HEGT00	COAL-AF	6.	1.00	0.113	0.24	22.2	1.68	0.72	1.14	2.05	0.	0.	5.59	1.201	-12.	0	30		
20821 HEGT00	COAL-AF	6.	1.42	0.138	0.24	23.6	1.79	0.76	0.99	2.31	0.	-0.38	5.47	1.175	-12.	1	24		
20821 FCMCCL	COAL	6.	1.00	0.209	0.24	21.3	1.66	0.70	1.25	1.83	0.	0.	5.44	1.169	-11.	1	25		
20821 FCMCCL	COAL	6.	2.67	0.338	0.24	28.9	2.24	0.95	1.41	2.52	0.	-1.53	5.59	1.202	-16.	1	22		
20821 FCSTCL	COAL	6.	1.00	0.217	0.24	20.6	1.60	0.68	1.28	1.81	0.	0.	5.37	1.155	-11.	1	24		
20821 FCSTCL	COAL	6.	4.71	0.419	0.24	37.4	2.91	1.24	1.86	3.28	0.	-3.41	5.87	1.262	-21.	2	22		
20821 IGGTST	COAL	6.	1.00	0.178	0.24	20.8	1.62	0.69	1.27	1.90	0.	0.	5.47	1.176	-11.	0	27		
20821 IGGTST	COAL	6.	3.38	0.312	0.24	30.7	2.39	1.02	1.32	3.05	0.	-2.19	5.59	1.203	-16.	2	21		
20821 GTSOAR	RESIDUA	6.	1.00	0.189	0.24	7.6	0.56	0.24	0.57	3.22	0.	0.	4.59	0.987	-2.	6	12		
20821 GTSOAR	RESIDUA	6.	2.66	0.306	0.24	9.9	0.73	0.31	0.50	4.54	0.	-1.53	4.56	0.980	-3.	6	12		
20821 GTAC08	RESIDUA	6.	1.00	0.204	0.24	6.9	0.51	0.22	0.54	3.17	0.	0.	4.43	0.953	-1.	10	9		
20821 GTAC08	RESIDUA	6.	2.21	0.307	0.24	7.9	0.59	0.25	0.45	4.06	0.	-1.12	4.22	0.907	-1.	12	8		
20821 GTAC12	RESIDUA	6.	1.00	0.208	0.24	6.9	0.51	0.22	0.55	3.15	0.	0.	4.43	0.952	-1.	10	9		
20821 GTAC12	RESIDUA	6.	2.69	0.337	0.24	9.0	0.66	0.28	0.48	4.37	0.	-1.56	4.23	0.910	-1.	10	8		
20821 GTAC16	RESIDUA	6.	1.00	0.207	0.24	7.2	0.53	0.23	0.55	3.15	0.	0.	4.46	0.959	-1.	9	10		
20821 GTAC16	RESIDUA	6.	3.00	0.350	0.24	10.0	0.74	0.32	0.51	4.60	0.	-1.84	4.32	0.930	-2.	9	10		
20821 GTWC16	RESIDUA	6.	1.00	0.181	0.24	7.5	0.55	0.24	0.56	3.25	0.	0.	4.61	0.990	-2.	6	12		
20821 GTWC16	RESIDUA	6.	3.26	0.315	0.24	10.7	0.79	0.34	0.54	5.12	0.	-2.08	4.70	1.010	-3.	4	14		
20821 CC1626	RESIDUA	6.	1.00	0.183	0.24	7.7	0.58	0.25	0.65	3.25	0.	0.	4.72	1.016	-2.	3	17		
20821 CC1626	RESIDUA	6.	5.85	0.371	0.24	15.6	1.18	0.50	0.81	7.21	0.	-4.47	5.24	1.126	-8.	0	29		
20821 CC1622	RESIDUA	6.	1.00	0.192	0.24	7.4	0.56	0.24	0.64	3.21	0.	0.	4.65	1.000	-2.	5	14		
20821 CC1622	RESIDUA	6.	5.28	0.380	0.24	14.6	1.11	0.47	0.76	6.57	0.	-3.94	4.97	1.069	-6.	2	20		
20821 CC1222	RESIDUA	6.	1.00	0.194	0.24	7.2	0.55	0.23	0.64	3.21	0.	0.	4.62	0.993	-2.	5	13		
20821 CC1222	RESIDUA	6.	5.27	0.383	0.24	14.0	1.06	0.45	0.75	6.52	0.	-3.93	4.85	1.043	-6.	3	17		
20821 CC0822	RESIDUA	6.	1.00	0.207	0.24	7.4	0.56	0.24	0.64	3.15	0.	0.	4.59	0.986	-2.	6	12		
20821 CC0822	RESIDUA	6.	4.26	0.389	0.24	12.1	0.92	0.39	0.69	5.51	0.	-3.00	4.51	0.969	-4.	6	12		
20821 STIG15	RESIDUA	6.	1.00	0.067	0.24	7.7	0.57	0.24	0.62	3.71	0.	0.	5.14	1.105	-4.	0	95		
20821 STIG15	RESIDUA	6.	122.30	0.171	0.24	196.6	14.56	6.19	10.73	158.84	0.	-111.68	78.64	16.904	-323.	0	59		
20821 STIG10	RESIDUA	6.	1.00	0.096	0.24	7.4	0.55	0.23	0.60	3.59	0.	0.	4.97	1.068	-3.	0	999		
20821 STIG10	RESIDUA	6.	11.31	0.218	0.24	22.7	1.68	0.71	1.27	15.58	0.	-9.49	9.76	2.098	-25.	0	61		
20821 STIG15	RESIDUA	6.	1.00	0.110	0.24	7.2	0.54	0.23	0.60	3.54	0.	0.	4.90	1.053	-3.	0	999		
20821 STIG15	RESIDUA	6.	6.64	0.228	0.24	15.4	1.14	0.49	0.92	9.80	0.	-5.19	7.15	1.537	-13.	0	63		
20821 DEADV3	RESIDUA	6.	1.00	0.201	0.24	9.4	0.70	0.30	0.64	3.18	0.	0.	4.81	1.034	-3.	2	20		
20821 DEADV3	RESIDUA	6.	4.15	0.374	0.24	17.5	1.30	0.55	0.77	5.54	0.	-2.90	5.25	1.129	-8.	0	26		
20821 DEHTPM	RESIDUA	6.	1.00	0.224	0.24	9.4	0.69	0.29	0.67	3.08	0.	0.	4.74	1.019	-3.	4	16		
20821 DEHTPM	RESIDUA	6.	3.47	0.397	0.24	15.0	1.11	0.47	0.74	4.70	0.	-2.27	4.75	1.022	-6.	4	15		
20821 DESO3A	DISTILL	6.	1.00	0.192	0.24	8.8	0.66	0.28	0.63	3.94	0.	0.	5.50	1.182	-5.	0	70		
20821 DESO3A	DISTILL	6.	4.12	0.358	0.24	21.3	1.58	0.67	0.87	6.92	0.	-2.87	7.16	1.539	-16.	0	71		
20821 DESO3A	RESIDUA	6.	1.00	0.192	0.24	8.8	0.66	0.28	0.63	3.21	0.	0.	4.77	1.026	-3.	3	18		
20821 DESO3A	RESIDUA	6.	4.12	0.358	0.24	21.3	1.58	0.67	0.87	5.65	0.	-2.87	5.89	1.265	-12.	0	999		
20821 GTSOAD	DISTILL	6.	1.00	0.201	0.24	6.7	0.49	0.21	0.54	3.89	0.	0.	5.13	1.104	-3.	0	72		
20821 GTSOAD	DISTILL	6.	2.56	0.321	0.24	8.0	0.60	0.25	0.45	5.32	0.	-1.44	5.18	1.114	-4.	0	83		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100										
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																				
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS																		
SYSTEM	FUEL REQD	GEN/ REQD	/HEAT COST	RATIO *10**6	INSNC															
	MW																			
20821 GTRA08 DISTILL	6.	3.96	0.358	0.24	13.0	0.96	0.41	0.60	6.72	0.	-2.72	5.97	1.283	-9.	0	72				
20821 GTRA12 DISTILL	6.	1.00	0.197	0.24	7.8	0.58	0.25	0.57	3.91	0.	0.	5.31	1.141	-4.	0	71				
20821 GTRA12 DISTILL	6.	3.92	0.362	0.24	13.1	0.97	0.41	0.60	6.64	0.	-2.69	5.93	1.275	-8.	0	73				
20821 GTRA16 DISTILL	6.	1.00	0.197	0.24	8.1	0.60	0.25	0.58	3.91	0.	0.	5.34	1.148	-4.	0	71				
20821 GTRA16 DISTILL	6.	3.70	0.356	0.24	13.3	0.98	0.42	0.60	6.44	0.	-2.49	5.95	1.279	-9.	0	74				
20821 GTR208 DISTILL	6.	1.00	0.196	0.24	7.5	0.55	0.24	0.56	3.92	0.	0.	5.27	1.132	-4.	0	71				
20821 GTR208 DISTILL	6.	3.12	0.335	0.24	10.5	0.78	0.33	0.53	5.91	0.	-1.95	5.60	1.204	-6.	0	73				
20821 GTR212 DISTILL	6.	1.00	0.194	0.24	7.6	0.57	0.24	0.57	3.93	0.	0.	5.30	1.139	-4.	0	70				
20821 GTR212 DISTILL	6.	3.35	0.340	0.24	11.4	0.84	0.36	0.55	6.16	0.	-2.16	5.75	1.236	-7.	0	72				
20821 GTR216 DISTILL	6.	1.00	0.198	0.24	7.8	0.58	0.24	0.57	3.91	0.	0.	5.30	1.139	-4.	0	71				
20821 GTR216 DISTILL	6.	3.42	0.349	0.24	12.0	0.89	0.38	0.57	6.16	0.	-2.23	5.77	1.239	-7.	0	75				
20821 GTRW08 DISTILL	6.	1.00	0.163	0.24	8.0	0.59	0.25	0.58	4.08	0.	0.	5.51	1.183	-5.	0	65				
20821 GTRW08 DISTILL	6.	4.76	0.314	0.24	14.4	1.06	0.45	0.66	8.23	0.	-3.46	6.94	1.491	-12.	0	63				
20821 GTRW12 DISTILL	6.	1.00	0.171	0.24	8.0	0.59	0.25	0.58	4.04	0.	0.	5.46	1.174	-5.	0	66				
20821 GTRW12 DISTILL	6.	4.91	0.334	0.24	14.6	1.08	0.46	0.66	8.19	0.	-3.60	6.79	1.459	-12.	0	64				
20821 GTRW16 DISTILL	6.	1.00	0.173	0.24	8.2	0.61	0.26	0.58	4.03	0.	0.	5.48	1.178	-5.	0	67				
20821 GTRW16 DISTILL	6.	4.62	0.331	0.24	14.6	1.08	0.46	0.66	7.84	0.	-3.33	6.71	1.443	-12.	0	64				
20821 GTR308 DISTILL	6.	1.00	0.158	0.24	7.6	0.56	0.24	0.57	4.10	0.	0.	5.47	1.177	-4.	0	64				
20821 GTR308 DISTILL	6.	3.58	0.282	0.24	11.5	0.85	0.36	0.57	7.01	0.	-2.38	6.41	1.379	-9.	0	62				
20821 GTR312 DISTILL	6.	1.00	0.174	0.24	7.7	0.57	0.24	0.57	4.03	0.	0.	5.41	1.163	-4.	0	66				
20821 GTR312 DISTILL	6.	4.11	0.323	0.24	12.5	0.92	0.39	0.60	7.30	0.	-2.87	6.34	1.363	-9.	0	64				
20821 GTR316 DISTILL	6.	1.00	0.173	0.24	7.9	0.59	0.25	0.58	4.03	0.	0.	5.44	1.170	-5.	0	66				
20821 GTR316 DISTILL	6.	4.05	0.320	0.24	12.9	0.96	0.41	0.61	7.25	0.	-2.81	6.41	1.378	-10.	0	64				
20821 FCFADS DISTILL	6.	1.00	0.199	0.24	7.8	0.56	0.24	0.92	3.90	0.	0.	5.63	1.209	-5.	0	65				
20821 FCFADS DISTILL	6.	4.43	0.378	0.24	16.7	1.24	0.53	2.52	7.06	0.	-3.15	8.19	1.760	-18.	0	64				
20821 FCMCDS DISTILL	6.	1.00	0.170	0.24	8.2	0.61	0.26	0.91	4.05	0.	0.	5.82	1.251	-6.	0	64				
20821 FCMCDS DISTILL	6.	7.38	0.360	0.24	29.3	2.17	0.92	3.91	10.86	0.	-5.87	11.99	2.577	-35.	0	62				
22601 ONOCGN RESIDUA	6.	0.	0.	0.13	5.2	0.39	0.17	0.41	4.22	1.49	0.	6.67	1.000	0.	0	0				
22601 STM141 RESIDUA	6.	1.00	0.164	0.13	9.1	0.69	0.29	0.76	4.78	0.	0.	6.53	0.979	-2.	7	11				
22601 STM141 RESIDUA	6.	1.61	0.227	0.13	8.8	0.67	0.28	0.60	5.13	0.	-0.54	6.13	0.919	-0.	14	7				
22601 STM141 COAL-FG	6.	1.00	0.164	0.13	19.3	1.47	0.62	1.40	2.78	0.	0.	6.27	0.940	-6.	7	11				
22601 STM141 COAL-FG	6.	1.61	0.227	0.13	17.4	1.32	0.56	1.11	2.98	0.	-0.54	5.42	0.813	-2.	12	8				
22601 STM141 COAL-AF	6.	1.00	0.164	0.13	16.7	1.27	0.54	1.29	2.78	0.	0.	5.87	0.880	-3.	10	9				
22601 STM141 COAL-AF	6.	1.61	0.227	0.13	13.2	1.00	0.43	0.97	2.98	0.	-0.54	4.83	0.724	2.	18	6				
22601 STM088 RESIDUA	6.	1.00	0.164	0.13	8.4	0.64	0.27	0.72	4.78	0.	0.	6.41	0.962	-1.	10	9				
22601 STM088 RESIDUA	6.	1.18	0.184	0.13	7.8	0.59	0.25	0.57	4.89	0.	-0.16	6.13	0.920	0.	17	6				
22601 STM088 COAL-FG	6.	1.00	0.164	0.13	18.0	1.37	0.58	1.32	2.78	0.	0.	6.04	0.906	-4.	8	10				
22601 STM088 COAL-FG	6.	1.18	0.184	0.13	16.0	1.21	0.52	1.05	2.84	0.	-0.16	5.46	0.819	-1.	12	8				
22601 STM088 COAL-AF	6.	1.00	0.164	0.13	15.0	1.14	0.48	1.21	2.78	0.	0.	5.60	0.840	-1.	12	8				
22601 STM088 COAL-AF	6.	1.18	0.184	0.13	12.4	0.94	0.40	0.93	2.84	0.	-0.16	4.95	0.743	2.	19	5				
22601 PFBSTM COAL-PF	6.	1.00	0.160	0.13	20.6	1.56	0.67	1.48	2.79	0.	0.	6.50	0.974	-7.	6	12				
22601 PFBSTM COAL-PF	6.	2.57	0.292	0.13	21.3	1.62	0.69	1.45	3.32	0.	-1.41	5.67	0.850	-5.	9	9				
22601 TISTMT RESIDUA	6.	1.00	0.161	0.13	23.2	1.76	0.75	1.11	4.80	0.	0.	8.42	1.263	-14.	0	160				

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100							
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST	REVD GEN/ /HEAT COST
SYSTEM	FUEL	REQD	GEN/	REQD	GEN/	REQD	GEN/	REQD	GEN/	REQD	GEN/	REQD	GEN/	REQD	GEN/	REQD	GEN/
		MW															
22601	TISTMT	COAL	6.	1.00	0.161	0.13	34.8	2.64	1.12	1.78	2.79	0.	0.	8.33	1.250	-20.	0
22601	TISTMT	COAL	6.	3.42	0.337	0.13	62.0	4.71	2.00	2.27	3.60	0.	-2.17	10.42	1.562	-39.	0
22601	TIHRSG	RESIDUA	6.	1.00	0.125	0.13	32.0	2.37	1.01	1.24	5.01	0.	0.	9.62	1.443	-22.	0
22601	TIHRSG	RESIDUA	6.	1.61	0.173	0.13	42.2	3.12	1.33	1.34	5.49	0.	-0.54	10.73	1.609	-30.	0
22601	TIHRSG	COAL	6.	1.00	0.125	0.13	44.6	3.39	1.44	1.93	2.91	0.	0.	9.67	1.450	-28.	0
22601	TIHRSG	COAL	6.	1.61	0.173	0.13	54.2	4.11	1.75	1.93	3.19	0.	-0.54	10.43	1.565	-35.	0
22601	STIRL	DISTILL	6.	1.00	0.117	0.13	10.0	0.74	0.32	0.73	6.19	0.	0.	7.98	1.196	-6.	0
22601	STIRL	DISTILL	6.	4.09	0.265	0.13	18.4	1.36	0.58	0.84	9.33	0.	-2.76	9.36	1.403	-15.	0
22601	STIRL	RESIDUA	6.	1.00	0.117	0.13	10.0	0.74	0.32	0.73	5.05	0.	0.	6.64	1.026	-3.	1
22601	STIRL	RESIDUA	6.	4.09	0.265	0.13	18.4	1.37	0.58	0.84	7.61	0.	-2.76	7.64	1.146	-9.	0
22601	STIRL	COAL	6.	1.00	0.117	0.13	19.9	1.47	0.63	1.35	2.93	0.	0.	6.38	0.957	-6.	6
22601	STIRL	COAL	6.	4.09	0.265	0.13	32.5	2.41	1.02	1.54	4.42	0.	-2.76	6.63	0.995	-13.	5
22601	HEGT85	COAL-AF	6.	1.00	0.049	0.13	29.8	2.26	0.96	1.50	3.16	0.	0.	7.89	1.183	-16.	0
22601	HEGT85	COAL-AF	6.	15.45	0.157	0.13	126.2	9.58	4.07	4.42	13.42	0.	-12.91	18.57	2.785	-95.	0
22601	HEGT60	COAL-AF	6.	1.00	0.058	0.13	29.0	2.20	0.94	1.49	3.13	0.	0.	7.75	1.163	-15.	0
22601	HEGT60	COAL-AF	6.	6.17	0.151	0.13	65.5	4.97	2.11	2.41	6.64	0.	-4.62	11.51	1.726	-44.	0
22601	HEGT00	COAL-AF	6.	1.00	0.063	0.13	27.7	2.10	0.89	1.46	3.11	0.	0.	7.57	1.135	-14.	1
22601	HEGT00	COAL-AF	6.	2.66	0.116	0.13	37.5	2.84	1.21	1.51	4.21	0.	-1.48	8.29	1.244	-21.	0
22601	FCMCCL	COAL	6.	1.00	0.140	0.13	27.0	2.10	0.89	1.52	2.86	0.	0.	7.37	1.105	-13.	2
22601	FCMCCL	COAL	6.	4.79	0.337	0.13	44.7	3.47	1.48	2.15	4.39	0.	-3.39	8.11	1.216	-24.	1
22601	FCSTCL	COAL	6.	1.00	0.146	0.13	26.3	2.04	0.87	1.55	2.84	0.	0.	7.30	1.095	-13.	2
22601	FCSTCL	COAL	6.	7.39	0.402	0.13	54.4	4.23	1.80	2.67	5.32	0.	-5.71	8.30	1.245	-30.	2
22601	IGGTST	COAL	6.	1.00	0.116	0.13	26.3	2.04	0.87	1.54	2.94	0.	0.	7.39	1.108	-13.	2
22601	IGGTST	COAL	6.	5.16	0.286	0.13	43.5	3.38	1.44	1.74	4.96	0.	-3.71	7.81	1.171	-23.	2
22601	GTSQAR	RESIDUA	6.	1.00	0.120	0.13	9.8	0.72	0.31	0.68	5.04	0.	0.	6.75	1.012	-2.	3
22601	GTSQAR	RESIDUA	6.	5.02	0.293	0.13	15.9	1.17	0.50	0.72	8.31	0.	-3.59	7.12	1.067	-6.	0
22601	GTAC08	RESIDUA	6.	1.00	0.139	0.13	9.1	0.67	0.29	0.66	4.92	0.	0.	6.54	0.981	-1.	7
22601	GTAC08	RESIDUA	6.	3.93	0.309	0.13	12.3	0.91	0.39	0.62	6.98	0.	-2.61	6.29	0.943	-2.	9
22601	GTAC12	RESIDUA	6.	1.00	0.138	0.13	9.1	0.67	0.29	0.66	4.93	0.	0.	6.55	0.983	-1.	7
22601	GTAC12	RESIDUA	6.	4.90	0.334	0.13	14.4	1.07	0.45	0.68	7.71	0.	-3.48	6.42	0.963	-4.	7
22601	GTAC16	RESIDUA	6.	1.00	0.136	0.13	9.3	0.69	0.29	0.67	4.94	0.	0.	6.59	0.989	-2.	6
22601	GTAC16	RESIDUA	6.	5.54	0.343	0.13	16.4	1.21	0.51	0.73	8.23	0.	-4.06	6.64	0.996	-5.	5
22601	GTWC16	RESIDUA	6.	1.00	0.123	0.13	9.6	0.71	0.30	0.68	5.02	0.	0.	6.71	1.006	-2.	4
22601	GTWC16	RESIDUA	6.	5.82	0.315	0.13	16.5	1.22	0.52	0.75	8.87	0.	-4.30	7.05	1.057	-6.	1
22601	CC1626	RESIDUA	6.	1.00	0.122	0.13	9.7	0.73	0.31	0.76	5.03	0.	0.	6.83	1.024	-3.	2
22601	CC1626	RESIDUA	6.	9.29	0.356	0.13	22.4	1.70	0.72	1.05	11.71	0.	-7.41	7.77	1.165	-12.	0
22601	CC1622	RESIDUA	6.	1.00	0.127	0.13	9.4	0.71	0.30	0.75	4.99	0.	0.	6.76	1.013	-2.	3
22601	CC1622	RESIDUA	6.	8.36	0.364	0.13	21.6	1.64	0.70	1.01	10.67	0.	-6.58	7.44	1.115	-10.	0
22601	CC1222	RESIDUA	6.	1.00	0.129	0.13	9.2	0.70	0.30	0.74	4.98	0.	0.	6.72	1.008	-2.	4
22601	CC1222	RESIDUA	6.	8.33	0.367	0.13	20.5	1.55	0.66	0.99	10.59	0.	-6.55	7.25	1.086	-9.	1
22601	CC0822	RESIDUA	6.	1.00	0.138	0.13	9.4	0.71	0.30	0.75	4.93	0.	0.	6.70	1.004	-2.	4
22601	CC0822	RESIDUA	6.	6.64	0.369	0.13	17.4	1.32	0.56	0.89	8.95	0.	-5.04	6.68	1.002	-6.	5
22601	ST1015	RESIDUA	6.	1.00	0.045	0.13	9.6	0.71	0.30	0.72	5.46	0.	0.	7.20	1.079	-4.	0

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****[LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)]*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST			ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
22601 STIG10	RESIDUA	6.	1.00	0.065	0.13	9.3	0.69	0.29	0.70	5.35	0.	0.	999						
22601 STIG10	RESIDUA	6.	20.24	0.218	0.13	39.8	2.95	1.25	2.02	27.07	0.	-17.19	61						
22601 STIG1S	RESIDUA	6.	1.00	0.074	0.13	9.2	0.68	0.29	0.70	5.30	0.	0.	999						
22601 STIG1S	RESIDUA	6.	11.88	0.228	0.13	24.2	1.79	0.76	1.36	17.01	0.	-9.72	62						
22601 DEADV3	RESIDUA	6.	1.00	0.093	0.13	12.1	0.90	0.38	0.77	5.19	0.	0.	999						
22601 DEADV3	RESIDUA	6.	12.85	0.292	0.13	53.4	3.95	1.68	1.84	16.64	0.	-10.59	71						
22601 DEHTPM	RESIDUA	6.	1.00	0.139	0.13	12.2	0.90	0.38	0.81	4.93	0.	0.	999						
22601 DEHTPM	RESIDUA	6.	5.85	0.358	0.13	28.0	2.07	0.88	1.16	8.35	0.	-4.33	999						
22601 DESOA3	DISTILL	6.	1.00	0.079	0.13	11.6	0.86	0.37	0.76	6.45	0.	0.	61						
22601 DESOA3	DISTILL	6.	14.85	0.255	0.13	75.9	5.62	2.39	2.43	24.22	0.	-12.38	62						
22601 DESOA3	RESIDUA	6.	1.00	0.079	0.13	11.6	0.86	0.37	0.76	5.27	0.	0.	320						
22601 DESOA3	RESIDUA	6.	14.85	0.255	0.13	75.9	5.62	2.39	2.43	19.76	0.	-12.38	68						
22601 GTSOAD	DISTILL	6.	1.00	0.132	0.13	8.8	0.65	0.28	0.66	6.09	0.	0.	61						
22601 GTSOAD	DISTILL	6.	4.71	0.314	0.13	12.8	0.95	0.40	0.64	9.49	0.	-3.31	61						
22601 GTRA08	DISTILL	6.	1.00	0.123	0.13	10.0	0.74	0.31	0.68	6.15	0.	0.	62						
22601 GTRA08	DISTILL	6.	7.70	0.343	0.13	21.4	1.58	0.67	0.89	12.69	0.	-5.98	64						
22601 GTRA12	DISTILL	6.	1.00	0.126	0.13	9.9	0.74	0.31	0.68	6.13	0.	0.	62						
22601 GTRA12	DISTILL	6.	7.54	0.349	0.13	21.6	1.60	0.68	0.89	12.39	0.	-5.84	64						
22601 GTRA16	DISTILL	6.	1.00	0.126	0.13	10.2	0.75	0.32	0.69	6.13	0.	0.	62						
22601 GTRA16	DISTILL	6.	7.05	0.345	0.13	21.7	1.61	0.68	0.89	11.89	0.	-5.40	65						
22601 GTR208	DISTILL	6.	1.00	0.126	0.13	9.6	0.71	0.30	0.68	6.13	0.	0.	61						
22601 GTR208	DISTILL	6.	5.86	0.324	0.13	17.1	1.26	0.54	0.76	10.77	0.	-4.34	64						
22601 GTR212	DISTILL	6.	1.00	0.125	0.13	9.8	0.72	0.31	0.68	6.13	0.	0.	61						
22601 GTR212	DISTILL	6.	6.28	0.330	0.13	18.4	1.36	0.58	0.80	11.21	0.	-4.72	64						
22601 GTR216	DISTILL	6.	1.00	0.128	0.13	9.9	0.73	0.31	0.68	6.12	0.	0.	62						
22601 GTR216	DISTILL	6.	6.44	0.339	0.13	19.6	1.45	0.62	0.83	11.24	0.	-4.86	65						
22601 GTRW08	DISTILL	6.	1.00	0.103	0.13	10.1	0.75	0.32	0.69	6.29	0.	0.	61						
22601 GTRW08	DISTILL	6.	9.20	0.302	0.13	23.2	1.72	0.73	0.96	15.43	0.	-7.33	60						
22601 GTRW12	DISTILL	6.	1.00	0.110	0.13	10.1	0.75	0.32	0.69	6.21	0.	0.	61						
22601 GTRW12	DISTILL	6.	9.38	0.324	0.13	23.4	1.73	0.74	0.96	15.17	0.	-7.49	61						
22601 GTRW16	DISTILL	6.	1.00	0.112	0.13	10.3	0.76	0.32	0.69	6.23	0.	0.	61						
22601 GTRW16	DISTILL	6.	8.72	0.322	0.13	23.2	1.72	0.73	0.95	14.38	0.	-6.90	62						
22601 GTR308	DISTILL	6.	1.00	0.096	0.13	9.7	0.72	0.30	0.68	6.34	0.	0.	60						
22601 GTR308	DISTILL	6.	7.03	0.263	0.13	18.9	1.40	0.59	0.83	13.35	0.	-5.39	60						
22601 GTR312	DISTILL	6.	1.00	0.114	0.13	9.8	0.72	0.31	0.68	6.22	0.	0.	61						
22601 GTR312	DISTILL	6.	7.63	0.316	0.13	19.7	1.46	0.62	0.85	13.13	0.	-5.92	61						
22601 GTR316	DISTILL	6.	1.00	0.113	0.13	10.0	0.74	0.32	0.69	6.22	0.	0.	61						
22601 GTR316	DISTILL	6.	7.51	0.313	0.13	20.3	1.51	0.64	0.87	13.05	0.	-5.82	62						
22601 FCPADS	DISTILL	6.	1.00	0.086	0.13	10.3	0.77	0.33	1.04	6.41	0.	0.	60						
22601 FCPADS	DISTILL	6.	16.70	0.279	0.13	61.2	4.53	1.93	8.93	25.86	0.	-14.02	61						
22601 FCMCDS	DISTILL	6.	1.00	0.114	0.13	10.6	0.78	0.33	1.01	6.21	0.	0.	61						
22601 FCMCDS	DISTILL	6.	13.21	0.360	0.13	52.6	3.89	1.65	6.75	18.87	0.	-10.91	62						
24211 ONOCGN	RESIDUA	2.	0.	0.	0.17	1.8	0.13	0.06	0.21	0.	0.23	0.	0						

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES GANDM FUEL PURCHD REVENUE TOTAL NORML	PRESNT ROI		GROSS														
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
24211 STM141 RESIDUA		2.	1.14	0.947	0.17	3.1	0.23	0.10	0.30	0.01	0.	-0.02	0.63	1.005	-1.	5	14		
24211 STM141 COAL-FG		2.	1.00	0.991	0.17	6.1	0.46	0.20	0.62	0.00	0.	0.	1.29	2.045	-4.	0	77		
24211 STM141 COAL-FG		2.	1.14	0.947	0.17	5.5	0.41	0.18	0.49	0.01	0.	-0.02	1.07	1.701	-3.	0	98		
24211 STM141 COAL-AF		2.	1.00	0.991	0.17	5.5	0.42	0.18	0.56	0.00	0.	0.	1.16	1.847	-4.	0	81		
24211 STM141 COAL-AF		2.	1.14	0.947	0.17	4.8	0.36	0.15	0.42	0.01	0.	-0.02	0.93	1.478	-2.	0	212		
24211 STM088 RESIDUA		2.	0.81	0.810	0.17	2.6	0.20	0.08	0.29	0.	0.04	0.	0.62	0.932	-0.	6	12		
24211 STM088 COAL-FG		2.	0.81	0.810	0.17	5.0	0.38	0.16	0.47	0.	0.04	0.	1.05	1.675	-3.	0	75		
24211 STM088 COAL-AF		2.	0.81	0.810	0.17	4.5	0.34	0.14	0.41	0.	0.04	0.	0.94	1.492	-2.	0	107		
24211 PFBSTM COAL-PF		2.	1.00	0.977	0.17	7.5	0.57	0.24	0.67	0.00	0.	0.	1.48	2.360	-5.	0	76		
24211 PFBSTM COAL-PF		2.	1.89	0.804	0.17	7.3	0.55	0.23	0.53	0.05	0.	-0.12	1.24	1.970	-5.	0	106		
24211 T1STMT RESIDUA		2.	1.00	0.257	0.17	8.4	0.63	0.27	0.53	0.29	0.	0.	1.73	2.749	-7.	0	68		
24211 T1STMT COAL		2.	1.00	0.981	0.17	12.2	0.93	0.39	0.81	0.00	0.	0.	2.13	3.396	-10.	0	75		
24211 T1STMT COAL		2.	2.53	0.758	0.17	18.1	1.37	0.58	0.83	0.08	0.	-0.21	2.65	4.217	-14.	0	82		
24211 TIHRS9 RESIDUA		2.	1.00	1.274	0.17	11.0	0.82	0.35	0.52	0.53	0.	0.	2.21	3.519	-9.	0	66		
24211 TIHRS9 COAL		2.	1.00	0.833	0.17	15.0	1.14	0.48	0.78	0.02	0.	0.	2.43	3.871	-12.	0	75		
24211 TIHRS9 COAL		2.	1.27	0.755	0.17	16.0	1.22	0.52	0.67	0.04	0.	-0.04	2.41	3.841	-12.	0	80		
24211 STIRL DISTILL		2.	1.00	0.255	0.17	2.9	0.22	0.09	0.35	0.36	0.	0.	1.02	1.623	-2.	0	61		
24211 STIRL RESIDUA		2.	1.00	0.255	0.17	2.9	0.22	0.09	0.35	0.29	0.	0.	0.95	1.518	-2.	0	62		
24211 STIRL COAL		2.	1.00	0.813	0.17	6.3	0.47	0.20	0.61	0.03	0.	0.	1.30	2.075	-4.	0	75		
24211 STIRL COAL		2.	3.15	0.562	0.17	6.7	0.50	0.21	0.50	0.19	0.	-0.30	1.10	1.743	-4.	0	208		
24211 HEGT85 COAL-AF		2.	1.00	0.532	0.17	10.7	0.81	0.34	0.66	0.06	0.	0.	1.87	2.979	-8.	0	75		
24211 HEGT85 COAL-AF		2.	13.66	0.192	0.17	42.3	3.21	1.37	1.46	1.49	0.	-1.75	5.77	9.190	-36.	0	78		
24211 HEGT60 COAL-AF		2.	1.00	0.572	0.17	10.3	0.78	0.33	0.65	0.06	0.	0.	1.82	2.893	-8.	0	76		
24211 HEGT60 COAL-AF		2.	5.01	0.278	0.17	20.8	1.58	0.67	0.79	0.49	0.	-0.56	2.98	4.738	-17.	0	81		
24211 HEGT00 COAL-AF		2.	1.00	0.601	0.17	9.7	0.73	0.31	0.62	0.05	0.	0.	1.72	2.733	-7.	0	76		
24211 HEGT00 COAL-AF		2.	2.10	0.408	0.17	11.7	0.88	0.38	0.51	0.17	0.	-0.15	1.79	2.842	-8.	0	86		
24211 FCMCCL COAL		2.	1.00	1.673	0.17	9.3	0.72	0.31	0.64	0.36	0.	0.	2.03	3.238	-8.	0	67		
24211 FCMCCL COAL		2.	3.76	0.053	0.17	13.8	1.07	0.45	0.65	0.54	0.	-0.38	2.33	3.703	-11.	0	74		
24211 FCSTCL COAL		2.	1.00	1.653	0.17	9.1	0.71	0.30	0.69	0.36	0.	0.	2.06	3.276	-8.	0	66		
24211 FCSTCL COAL		2.	5.60	0.159	0.17	16.5	1.28	0.54	0.83	0.64	0.	-0.64	2.65	4.218	-14.	0	76		
24211 IGGTST COAL		2.	1.00	1.770	0.17	9.6	0.75	0.32	0.75	0.37	0.	0.	2.19	3.478	-9.	0	66		
24211 IGGTST COAL		2.	3.87	0.133	0.17	14.2	1.11	0.47	0.75	0.59	0.	-0.40	2.52	4.014	-12.	0	72		
24211 GTSOAR RESIDUA		2.	1.00	0.103	0.17	3.4	0.25	0.11	0.34	0.26	0.	0.	0.96	1.526	-2.	0	65		
24211 GTAC08 RESIDUA		2.	1.00	0.185	0.17	3.1	0.23	0.10	0.33	0.28	0.	0.	0.93	1.486	-2.	0	63		
24211 GTAC12 RESIDUA		2.	1.00	0.049	0.17	3.1	0.23	0.10	0.33	0.24	0.	0.	0.90	1.431	-1.	0	65		
24211 GTAC16 RESIDUA		2.	1.00	0.009	0.17	3.1	0.23	0.10	0.33	0.23	0.	0.	0.89	1.422	-1.	0	66		
24211 GTWC16 RESIDUA		2.	1.00	0.016	0.17	3.3	0.25	0.10	0.34	0.24	0.	0.	0.93	1.476	-2.	0	66		
24211 CC1626 RESIDUA		2.	1.00	0.148	0.17	3.4	0.26	0.11	0.40	0.20	0.	0.	0.97	1.539	-2.	0	67		
24211 CC1622 RESIDUA		2.	1.00	0.136	0.17	3.2	0.25	0.10	0.40	0.20	0.	0.	0.95	1.510	-2.	0	66		
24211 CC1222 RESIDUA		2.	1.00	0.139	0.17	3.2	0.24	0.10	0.39	0.20	0.	0.	0.94	1.491	-2.	0	66		
24211 CC0822 RESIDUA		2.	1.00	0.083	0.17	3.3	0.25	0.11	0.40	0.21	0.	0.	0.97	1.540	-2.	0	66		
24211 STIG15 RESIDUA		2.	1.00	0.160	0.17	3.5	0.26	0.11	0.35	0.20	0.	0.	0.91	1.454	-2.	0	69		
24211 STIG10 RESIDUA		2.	1.00	0.109	0.17	3.3	0.25	0.10	0.35	0.21	0.	0.	0.91	1.441	-2.	0	68		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	CANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
24211 DEADV3 RESIDUA	2.	1.00	0.137	0.17	4.5	0.33	0.14	0.39	0.20	0.	0.	1.06	1.688	-3.	0	70			
24211 DEHTPM RESIDUA	2.	1.00	0.036	0.17	4.5	0.33	0.14	0.41	0.22	0.	0.	1.11	1.764	-3.	0	68			
24211 DESO43 DISTILL	2.	1.00	0.114	0.17	3.4	0.25	0.11	0.36	0.25	0.	0.	0.98	1.554	-2.	0	65			
24211 DESO43 RESIDUA	2.	1.00	0.114	0.17	3.4	0.25	0.11	0.36	0.21	0.	0.	0.93	1.480	-2.	0	68			
24211 GTSO4D DISTILL	2.	1.00	0.096	0.17	3.0	0.22	0.09	0.33	0.31	0.	0.	0.96	1.528	-2.	0	62			
24211 GTRA08 DISTILL	2.	1.00	0.104	0.17	3.5	0.26	0.11	0.34	0.26	0.	0.	0.97	1.544	-2.	0	66			
24211 GTRA12 DISTILL	2.	1.00	0.106	0.17	3.4	0.25	0.11	0.34	0.26	0.	0.	0.96	1.524	-2.	0	65			
24211 GTRA16 DISTILL	2.	1.00	0.083	0.17	3.5	0.26	0.11	0.34	0.26	0.	0.	0.98	1.555	-2.	0	65			
24211 GTR208 DISTILL	2.	1.00	0.000	0.17	3.3	0.25	0.10	0.34	0.29	0.	0.	0.98	1.553	-2.	0	61			
24211 GTR212 DISTILL	2.	1.00	0.030	0.17	3.4	0.25	0.11	0.34	0.28	0.	0.	0.97	1.551	-2.	0	61			
24211 GTR216 DISTILL	2.	1.00	0.050	0.17	3.4	0.25	0.11	0.34	0.27	0.	0.	0.97	1.546	-2.	0	65			
24211 GTRW08 DISTILL	2.	1.00	0.088	0.17	3.6	0.27	0.11	0.35	0.26	0.	0.	0.98	1.566	-2.	0	65			
24211 GTRW12 DISTILL	2.	1.00	0.121	0.17	3.6	0.26	0.11	0.35	0.25	0.	0.	0.97	1.549	-2.	0	66			
24211 GTRW16 DISTILL	2.	1.00	0.104	0.17	3.7	0.27	0.12	0.35	0.26	0.	0.	0.99	1.574	-2.	0	66			
24211 GTR308 DISTILL	2.	1.00	0.032	0.17	3.4	0.25	0.11	0.34	0.29	0.	0.	0.99	1.580	-2.	0	63			
24211 GTR312 DISTILL	2.	1.00	0.064	0.17	3.5	0.26	0.11	0.34	0.27	0.	0.	0.97	1.550	-2.	0	63			
24211 GTR316 DISTILL	2.	1.00	0.055	0.17	3.5	0.26	0.11	0.34	0.27	0.	0.	0.99	1.573	-2.	0	65			
24211 FCPADS DISTILL	2.	1.00	0.158	0.17	3.2	0.23	0.10	0.35	0.24	0.	0.	0.93	1.478	-2.	0	65			
24211 FCMCDS DISTILL	2.	1.00	0.223	0.17	3.2	0.24	0.10	0.35	0.22	0.	0.	0.91	1.445	-2.	0	67			
24361 ONOCEN RESIDUA	3.	0.	0.	0.14	3.2	0.24	0.10	0.30	0.	0.69	0.	1.33	1.000	0.	0	0			
24361 STM141 RESIDUA	3.	1.00	0.991	0.14	5.3	0.40	0.17	0.51	0.01	0.	0.	1.09	0.819	-0.	12	8			
24361 STM141 RESIDUA	3.	1.06	0.970	0.14	5.0	0.38	0.16	0.42	0.02	0.	-0.02	0.96	0.721	0.	17	6			
24361 STM141 COAL-FG	3.	1.00	0.991	0.14	10.5	0.80	0.34	0.88	0.00	0.	0.	2.03	1.520	-6.	0	***			
24361 STM141 COAL-FG	3.	1.06	0.970	0.14	9.7	0.73	0.31	0.73	0.01	0.	-0.02	1.77	1.326	-5.	0	999			
24361 STM141 COAL-AF	3.	1.00	0.991	0.14	8.7	0.66	0.28	0.79	0.00	0.	0.	1.74	1.305	-4.	0	999			
24361 STM141 COAL-AF	3.	1.06	0.970	0.14	7.8	0.59	0.25	0.64	0.01	0.	-0.02	1.47	1.100	-3.	2	20			
24361 STM088 RESIDUA	3.	0.68	0.677	0.14	4.3	0.33	0.14	0.40	0.	0.22	0.	1.09	0.820	0.	17	6			
24361 STM088 COAL-FG	3.	0.68	0.677	0.14	8.8	0.67	0.29	0.70	0.	0.22	0.	1.88	1.411	-4.	0	316			
24361 STM088 COAL-AF	3.	0.68	0.677	0.14	7.3	0.55	0.24	0.61	0.	0.22	0.	1.63	1.221	-3.	0	999			
24361 PFBSTM COAL-PF	3.	1.00	0.970	0.14	12.9	0.98	0.42	1.03	0.01	0.	0.	2.44	1.828	-8.	0	110			
24361 PFBSTM COAL-PF	3.	1.97	0.789	0.14	12.4	0.94	0.40	0.88	0.17	0.	-0.40	1.99	1.490	-7.	0	999			
24361 TISTMT RESIDUA	3.	1.00	0.398	0.14	14.8	1.13	0.48	0.79	0.98	0.	0.	3.37	2.531	-12.	0	67			
24361 TISTMT COAL	3.	1.00	0.980	0.14	21.9	1.66	0.71	1.24	0.01	0.	0.	3.62	2.713	-16.	0	83			
24361 TISTMT COAL	3.	2.73	0.747	0.14	34.0	2.58	1.10	1.37	0.28	0.	-0.72	4.61	3.457	-25.	0	101			
24361 TIHRSG RESIDUA	3.	1.00	1.274	0.14	18.9	1.40	0.59	0.81	1.59	0.	0.	4.39	3.297	-17.	0	61			
24361 TIHRSG COAL	3.	1.00	0.784	0.14	26.5	2.01	0.85	1.27	0.09	0.	0.	4.22	3.166	-20.	0	82			
24361 TIHRSG COAL	3.	1.63	0.641	0.14	32.1	2.44	1.04	1.21	0.24	0.	-0.26	4.66	3.496	-24.	0	83			
24361 STIRL DISTILL	3.	1.00	0.322	0.14	5.6	0.42	0.18	0.52	1.13	0.	0.	2.24	1.683	-4.	0	59			
24361 STIRL RESIDUA	3.	1.00	0.322	0.14	5.6	0.42	0.18	0.52	0.92	0.	0.	2.03	1.527	-3.	0	61			
24361 STIRL COAL	3.	1.00	0.803	0.14	11.7	0.87	0.37	0.93	0.08	0.	0.	2.24	1.684	-7.	0	120			
24361 STIRL COAL	3.	3.64	0.536	0.14	15.4	1.14	0.48	0.89	0.68	0.	-1.10	2.10	1.572	-8.	0	999			
24361 HEGT60 COAL-AF	3.	1.00	0.496	0.14	17.8	1.35	0.57	1.00	0.20	0.	0.	3.13	2.349	-13.	0	85			
24361 HEGT60 COAL-AF	3.	7.59	0.176	0.14	45.4	3.44	1.46	1.68	2.53	0.	-2.74	6.38	4.789	-36.	0	84			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES	GEN/	HEAT COST															
SYSTEM	FUEL	REQD	REQD	RATIO *10**6	INSNC														
		MW																	
24361	HEGT00	COAL-AF	3.	2.69	0.344	0.14	22.6	1.72	0.73	0.94	0.72	0.	-0.70	3.40	2.551	-16.	0	103	
24361	FCMCCL	COAL	3.	1.00	-2.226	0.14	16.3	1.26	0.54	1.01	1.31	0.	0.	4.12	3.089	-15.	0	64	
24361	FCMCCL	COAL	3.	4.72	-0.053	0.14	26.3	2.05	0.87	1.26	2.01	0.	-1.54	4.64	3.483	-22.	0	74	
24361	FCSTCL	COAL	3.	1.00	-2.208	0.14	16.0	1.24	0.53	1.06	1.30	0.	0.	4.13	3.098	-15.	0	64	
24361	FCSTCL	COAL	3.	6.42	0.121	0.14	30.3	2.35	1.00	1.51	2.29	0.	-2.25	4.90	3.675	-25.	0	80	
24361	IGGTST	COAL	3.	1.00	-2.334	0.14	16.5	1.28	0.54	1.09	1.35	0.	0.	4.27	3.203	-16.	0	64	
24361	IGGTST	COAL	3.	4.34	-0.212	0.14	25.0	1.95	0.83	1.14	2.13	0.	-1.39	4.66	3.496	-21.	0	71	
24361	GTSOAR	RESIDUA	3.	1.00	-0.103	0.14	6.0	0.44	0.19	0.49	0.77	0.	0.	1.90	1.424	-3.	0	65	
24361	GTAC08	RESIDUA	3.	1.00	-0.185	0.14	3.5	0.41	0.17	0.48	0.83	0.	0.	1.89	1.421	-3.	0	63	
24361	GTAC12	RESIDUA	3.	1.00	-0.049	0.14	5.5	0.41	0.17	0.48	0.73	0.	0.	1.79	1.346	-3.	0	65	
24361	GTAC16	RESIDUA	3.	1.00	0.009	0.14	5.6	0.42	0.18	0.48	0.69	0.	0.	1.77	1.326	-3.	0	67	
24361	GTWC16	RESIDUA	3.	1.00	-0.016	0.14	5.9	0.44	0.19	0.49	0.71	0.	0.	1.82	1.366	-3.	0	67	
24361	CC1626	RESIDUA	3.	1.00	0.117	0.14	5.9	0.45	0.19	0.56	0.62	0.	0.	1.81	1.356	-3.	0	70	
24361	CC1622	RESIDUA	3.	1.00	0.101	0.14	5.7	0.43	0.18	0.55	0.63	0.	0.	1.79	1.344	-3.	0	69	
24361	CC1222	RESIDUA	3.	1.00	0.103	0.14	5.5	0.42	0.18	0.55	0.63	0.	0.	1.77	1.330	-3.	0	69	
24361	CC0822	RESIDUA	3.	1.00	0.034	0.14	5.7	0.43	0.18	0.55	0.67	0.	0.	1.84	1.383	-3.	0	67	
24361	STIG15	RESIDUA	3.	1.00	0.160	0.14	5.9	0.44	0.19	0.51	0.59	0.	0.	1.72	1.289	-2.	0	76	
24361	STIG10	RESIDUA	3.	1.00	0.109	0.14	5.7	0.42	0.18	0.50	0.62	0.	0.	1.72	1.292	-2.	0	72	
24361	STIG15	RESIDUA	3.	1.00	0.045	0.14	5.6	0.42	0.18	0.50	0.67	0.	0.	1.76	1.320	-2.	0	68	
24361	DEADV3	RESIDUA	3.	1.00	0.137	0.14	7.5	0.56	0.24	0.55	0.60	0.	0.	1.95	1.465	-4.	0	74	
24361	DEHTPM	RESIDUA	3.	1.00	-0.030	0.14	7.8	0.58	0.24	0.59	0.72	0.	0.	2.13	1.596	-5.	0	67	
24361	DESOA3	DISTILL	3.	1.00	0.114	0.14	6.5	0.48	0.20	0.53	0.76	0.	0.	1.97	1.481	-4.	0	65	
24361	DESOA3	RESIDUA	3.	1.00	0.114	0.14	6.5	0.48	0.20	0.53	0.62	0.	0.	1.83	1.376	-3.	0	72	
24361	GTSOAD	DISTILL	3.	1.00	-0.096	0.14	5.4	0.40	0.17	0.48	0.94	0.	0.	1.98	1.489	-3.	0	61	
24361	GTRA08	DISTILL	3.	1.00	0.104	0.14	6.1	0.45	0.19	0.49	0.77	0.	0.	1.91	1.431	-3.	0	65	
24361	GTRA12	DISTILL	3.	1.00	0.106	0.14	6.1	0.45	0.19	0.49	0.77	0.	0.	1.89	1.421	-3.	0	65	
24361	GTRA16	DISTILL	3.	1.00	0.083	0.14	6.2	0.46	0.20	0.49	0.78	0.	0.	1.94	1.452	-3.	0	65	
24361	GTR208	DISTILL	3.	1.00	-0.000	0.14	5.9	0.44	0.19	0.49	0.86	0.	0.	1.96	1.474	-3.	0	63	
24361	GTR212	DISTILL	3.	1.00	0.030	0.14	6.0	0.44	0.19	0.49	0.83	0.	0.	1.95	1.464	-3.	0	63	
24361	GTR216	DISTILL	3.	1.00	0.050	0.14	6.0	0.45	0.19	0.49	0.81	0.	0.	1.94	1.456	-3.	0	64	
24361	GTRW08	DISTILL	3.	1.00	0.088	0.14	6.2	0.46	0.20	0.50	0.78	0.	0.	1.93	1.451	-3.	0	65	
24361	GTRW12	DISTILL	3.	1.00	0.121	0.14	6.2	0.46	0.20	0.49	0.75	0.	0.	1.90	1.428	-3.	0	66	
24361	GTRW16	DISTILL	3.	1.00	0.104	0.14	6.4	0.47	0.20	0.50	0.77	0.	0.	1.94	1.452	-3.	0	65	
24361	GTR308	DISTILL	3.	1.00	-0.032	0.14	5.9	0.44	0.19	0.49	0.88	0.	0.	2.00	1.503	-3.	0	62	
24361	GTR312	DISTILL	3.	1.00	0.064	0.14	6.0	0.45	0.19	0.49	0.80	0.	0.	1.93	1.447	-3.	0	64	
24361	GTR316	DISTILL	3.	1.00	0.056	0.14	6.2	0.46	0.19	0.50	0.81	0.	0.	1.96	1.467	-3.	0	64	
24361	FCPADS	DISTILL	3.	1.00	0.158	0.14	5.9	0.44	0.19	0.62	0.72	0.	0.	1.97	1.476	-3.	0	64	
24361	FCMCDS	DISTILL	3.	1.00	0.223	0.14	6.0	0.45	0.19	0.61	0.66	0.	0.	1.91	1.432	-3.	0	66	
24921	ONOCGN	RESIDUA	5.	0.	0.	0.46	2.1	0.15	0.06	0.22	0.07	1.54	0.	2.05	1.000	0.	0	0	
24921	STM141	RESIDUA	5.	0.31	0.187	0.46	3.3	0.25	0.11	0.32	0.25	1.06	0.	1.98	0.967	-0.	9	10	
24921	STM141	COAL-FG	5.	0.31	0.187	0.46	6.0	0.45	0.19	0.54	0.15	1.06	0.	2.39	1.165	-3.	0	909	
24921	STM141	COAL-AF	5.	0.31	0.187	0.46	5.1	0.39	0.17	0.47	0.15	1.06	0.	2.23	1.088	-2.	0	900	
24921	STM088	RESIDUA	5.	0.20	0.120	0.46	2.8	0.21	0.09	0.31	0.19	1.23	0.	2.02	0.986	-0.	7	11	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
24921 STM088	COAL-AF	5.	0.20	0.120	0.46	4.8	0.36	0.15	0.46	0.11	1.23	0.	2.32	1.130	-2.	0	***		
24921 PFBSTM	COAL-PF	5.	0.58	0.337	0.46	7.9	0.60	0.26	0.63	0.25	0.64	0.	2.33	1.159	-4.	0	999		
24921 TISTMT	RESIDUA	5.	0.04	0.026	0.46	3.7	0.28	0.12	0.37	0.09	1.47	0.	2.34	1.139	-2.	0	71		
24921 TISTMT	COAL	5.	0.81	0.474	0.46	20.3	1.54	0.65	0.92	0.32	0.29	0.	3.73	1.819	-14.	0	263		
24921 TIHRSG	RESIDUA	5.	0.03	0.010	0.46	3.6	0.26	0.11	0.32	0.09	1.50	0.	2.29	1.115	-1.	0	71		
24921 TIHRSG	COAL	5.	0.48	0.192	0.46	19.1	1.45	0.62	0.79	0.29	0.80	0.	3.95	1.926	-14.	0	94		
24921 STIRL	DISTILL	5.	1.00	0.266	0.46	4.6	0.34	0.14	0.41	2.51	0.	0.	3.40	1.660	-5.	0	50		
24921 STIRL	DISTILL	5.	0.06	0.024	0.46	2.8	0.20	0.09	0.32	0.15	1.45	0.	2.20	1.075	-1.	0	66		
24921 STIRL	RESIDUA	5.	1.00	0.266	0.46	4.6	0.34	0.14	0.41	2.05	0.	0.	2.94	1.434	-4.	0	60		
24921 STIRL	RESIDUA	5.	0.06	0.024	0.46	2.8	0.20	0.09	0.32	0.12	1.45	0.	2.18	1.062	-1.	0	71		
24921 STIRL	COAL	5.	1.00	0.417	0.46	8.2	0.61	0.26	0.70	0.55	0.	0.	2.11	1.029	-3.	4	15		
24921 STIRL	COAL	5.	1.08	0.418	0.46	7.7	0.57	0.24	0.58	0.59	0.	-0.07	1.91	0.930	-2.	7	11		
24921 HEGT60	COAL-AF	5.	1.00	0.123	0.46	18.9	1.43	0.61	0.97	0.83	0.	0.	3.84	1.874	-14.	0	110		
24921 HEGT60	COAL-AF	5.	2.25	0.126	0.46	27.6	2.10	0.89	1.09	1.80	0.	-1.15	4.73	2.305	-21.	0	103		
24921 HEGT00	COAL-AF	5.	0.80	0.158	0.46	13.8	1.04	0.44	0.62	0.61	0.31	0.	3.03	1.478	-9.	0	999		
24921 FCMCCL	COAL	5.	1.00	0.230	0.46	14.9	1.16	0.49	0.92	1.16	0.	0.	3.73	1.821	-12.	0	83		
24921 FCMCCL	COAL	5.	1.40	0.020	0.46	16.0	1.24	0.53	0.83	1.32	0.	-0.37	3.56	1.738	-12.	0	112		
24921 FCSTCL	COAL	5.	1.00	0.213	0.46	14.9	1.16	0.49	1.00	1.14	0.	0.	3.80	1.852	-12.	0	81		
24921 FCSTCL	COAL	5.	1.90	0.141	0.46	18.4	1.43	0.61	1.02	1.51	0.	-0.83	3.73	1.817	-13.	0	146		
24921 IGGTST	COAL	5.	1.00	0.334	0.46	15.2	1.18	0.50	0.94	1.25	0.	0.	3.89	1.895	-12.	0	78		
24921 IGGTST	COAL	5.	1.28	0.171	0.46	15.7	1.22	0.52	0.81	1.40	0.	-0.26	3.69	1.800	-12.	0	89		
24921 GTSOAR	RESIDUA	5.	1.00	0.057	0.46	5.4	0.40	0.17	0.43	1.71	0.	0.	2.70	1.319	-4.	0	65		
24921 GTSOAR	RESIDUA	5.	0.08	0.034	0.46	3.0	0.22	0.09	0.31	0.14	1.41	0.	2.18	1.063	-1.	0	79		
24921 GTAC08	RESIDUA	5.	1.00	0.135	0.46	4.5	0.33	0.14	0.37	1.84	0.	0.	2.69	1.310	-3.	0	61		
24921 GTAC08	RESIDUA	5.	0.06	0.031	0.46	2.7	0.20	0.09	0.30	0.11	1.45	0.	2.15	1.048	-1.	0	80		
24921 GTAC12	RESIDUA	5.	1.00	0.005	0.46	4.7	0.35	0.15	0.40	1.63	0.	0.	2.53	1.233	-3.	0	67		
24921 GTAC12	RESIDUA	5.	0.08	0.039	0.46	2.8	0.20	0.09	0.31	0.13	1.42	0.	2.14	1.045	-1.	0	90		
24921 GTAC16	RESIDUA	5.	1.00	0.051	0.46	5.0	0.37	0.16	0.41	1.54	0.	0.	2.48	1.208	-3.	0	74		
24921 GTAC16	RESIDUA	5.	0.09	0.043	0.46	2.8	0.21	0.09	0.31	0.14	1.40	0.	2.15	1.046	-1.	0	97		
24921 GTWC16	RESIDUA	5.	1.00	0.027	0.46	5.3	0.39	0.17	0.43	1.58	0.	0.	2.56	1.248	-3.	0	70		
24921 GTWC16	RESIDUA	5.	0.09	0.041	0.46	2.9	0.22	0.09	0.31	0.14	1.40	0.	2.17	1.057	-1.	0	87		
24921 CC1626	RESIDUA	5.	1.00	0.154	0.46	5.4	0.41	0.18	0.52	1.37	0.	0.	2.48	1.207	-3.	0	94		
24921 CC1626	RESIDUA	5.	0.13	0.057	0.46	3.1	0.23	0.10	0.37	0.18	1.34	0.	2.22	1.084	-1.	0	77		
24921 CC1622	RESIDUA	5.	1.00	0.139	0.46	5.2	0.39	0.17	0.51	1.39	0.	0.	2.46	1.200	-3.	0	88		
24921 CC1622	RESIDUA	5.	0.12	0.054	0.46	2.9	0.22	0.09	0.37	0.16	1.36	0.	2.21	1.075	-1.	0	76		
24921 CC1222	RESIDUA	5.	1.00	0.141	0.46	5.0	0.38	0.16	0.50	1.39	0.	0.	2.43	1.187	-3.	0	90		
24921 CC1222	RESIDUA	5.	0.12	0.054	0.46	2.9	0.22	0.09	0.37	0.16	1.36	0.	2.20	1.071	-1.	0	77		
24921 CC0822	RESIDUA	5.	1.00	0.075	0.46	5.1	0.38	0.16	0.50	1.50	0.	0.	2.54	1.241	-3.	0	73		
24921 CC0822	RESIDUA	5.	0.09	0.045	0.46	2.9	0.22	0.09	0.36	0.14	1.40	0.	2.20	1.075	-1.	0	74		
24921 STIG15	RESIDUA	5.	1.00	0.166	0.46	5.6	0.42	0.18	0.51	1.35	0.	0.	2.45	1.197	-3.	0	107		
24921 STIG15	RESIDUA	5.	3.44	0.171	0.46	10.4	0.77	0.33	0.81	4.48	0.	-2.25	4.13	2.016	-10.	0	62		
24921 STIG10	RESIDUA	5.	1.00	0.147	0.46	5.3	0.39	0.17	0.48	1.38	0.	0.	2.42	1.181	-3.	0	103		
24921 STIG10	RESIDUA	5.	0.32	0.075	0.46	3.7	0.27	0.12	0.37	0.44	1.05	0.	2.25	1.097	-1.	0	92		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
24921	STIG1S	RESIDUA	5.	0.19	0.050	0.46	3.2	0.24	0.10	0.34	0.28	1.25	0.	2.21	1.078	-1.	0	82	
24921	DEADV3	RESIDUA	5.	1.00	0.174	0.46	7.2	0.54	0.23	0.53	1.34	0.	0.	2.63	1.282	-4.	0	99	
24921	DEADV3	RESIDUA	5.	0.23	0.073	0.46	4.5	0.33	0.14	0.39	0.31	1.18	0.	2.36	1.150	-2.	0	84	
24921	DEHTPM	RESIDUA	5.	1.00	0.014	0.46	7.3	0.54	0.23	0.54	1.60	0.	0.	2.90	1.417	-5.	0	69	
24921	DEHTPM	RESIDUA	5.	0.09	0.040	0.46	2.9	0.22	0.09	0.34	0.14	1.41	0.	2.19	1.069	-1.	0	75	
24921	DESOA3	DISTILL	5.	1.00	0.151	0.46	6.5	0.48	0.21	0.51	1.69	0.	0.	2.89	1.408	-5.	0	66	
24921	DESOA3	DISTILL	5.	0.27	0.072	0.46	3.6	0.27	0.11	0.38	0.46	1.12	0.	2.34	1.143	-2.	0	68	
24921	DESOA3	RESIDUA	5.	1.00	0.151	0.46	6.5	0.48	0.21	0.51	1.38	0.	0.	2.58	1.256	-4.	0	92	
24921	DESOA3	RESIDUA	5.	0.27	0.072	0.46	3.6	0.27	0.11	0.38	0.38	1.12	0.	2.26	1.102	-1.	0	87	
24921	GTSCAD	DISTILL	5.	1.00	0.050	0.46	4.5	0.33	0.14	0.40	2.08	0.	0.	2.95	1.440	-4.	0	59	
24921	GTSCAD	DISTILL	5.	0.07	0.035	0.46	2.7	0.20	0.09	0.30	0.16	1.42	0.	2.17	1.060	-1.	0	70	
24921	GTRA08	DISTILL	5.	1.00	0.142	0.46	5.7	0.42	0.18	0.45	1.70	0.	0.	2.75	1.343	-4.	0	65	
24921	GTRA08	DISTILL	5.	0.13	0.055	0.46	3.2	0.24	0.10	0.33	0.22	1.34	0.	2.23	1.087	-1.	0	74	
24921	GTRA12	DISTILL	5.	1.00	0.144	0.46	5.6	0.42	0.18	0.44	1.70	0.	0.	2.74	1.336	-4.	0	65	
24921	GTRA12	DISTILL	5.	0.13	0.055	0.46	3.1	0.23	0.10	0.32	0.22	1.34	0.	2.21	1.080	-1.	0	75	
24921	GTRA16	DISTILL	5.	1.00	0.122	0.46	5.9	0.43	0.18	0.45	1.74	0.	0.	2.81	1.370	-4.	0	65	
24921	GTRA16	DISTILL	5.	0.12	0.052	0.46	3.1	0.23	0.10	0.32	0.20	1.36	0.	2.22	1.082	-1.	0	74	
24921	GTR208	DISTILL	5.	1.00	0.042	0.46	5.3	0.39	0.17	0.43	1.90	0.	0.	2.89	1.408	-4.	0	62	
24921	GTR208	DISTILL	5.	0.10	0.042	0.46	3.0	0.22	0.09	0.31	0.18	1.39	0.	2.20	1.074	-1.	0	71	
24921	GTR212	DISTILL	5.	1.00	0.071	0.46	5.5	0.40	0.17	0.43	1.84	0.	0.	2.85	1.392	-4.	0	62	
24921	GTR212	DISTILL	5.	0.10	0.045	0.46	3.0	0.22	0.10	0.32	0.19	1.38	0.	2.21	1.076	-1.	0	72	
24921	GTR216	DISTILL	5.	1.00	0.091	0.46	5.6	0.41	0.18	0.44	1.81	0.	0.	2.83	1.380	-4.	0	63	
24921	GTR216	DISTILL	5.	0.11	0.047	0.46	3.0	0.23	0.10	0.32	0.19	1.38	0.	2.21	1.076	-1.	0	73	
24921	GTRW08	DISTILL	5.	1.00	0.127	0.46	5.9	0.43	0.18	0.46	1.73	0.	0.	2.81	1.369	-4.	0	65	
24921	GTRW08	DISTILL	5.	0.16	0.055	0.46	3.4	0.25	0.11	0.34	0.27	1.30	0.	2.26	1.102	-1.	0	72	
24921	GTRW12	DISTILL	5.	1.00	0.158	0.46	5.9	0.43	0.18	0.45	1.67	0.	0.	2.74	1.338	-4.	0	66	
24921	GTRW12	DISTILL	5.	0.16	0.060	0.46	3.4	0.25	0.11	0.33	0.26	1.30	0.	2.25	1.097	-1.	0	74	
24921	GTRW16	DISTILL	5.	1.00	0.142	0.46	6.0	0.45	0.19	0.46	1.70	0.	0.	2.80	1.364	-4.	0	66	
24921	GTRW16	DISTILL	5.	0.14	0.057	0.46	3.4	0.25	0.11	0.33	0.24	1.32	0.	2.25	1.098	-1.	0	73	
24921	GTR308	DISTILL	5.	1.00	0.011	0.46	5.4	0.40	0.17	0.44	1.96	0.	0.	2.98	1.454	-5.	0	61	
24921	GTR308	DISTILL	5.	0.12	0.039	0.46	3.1	0.23	0.10	0.32	0.23	1.36	0.	2.24	1.090	-1.	0	68	
24921	GTR312	DISTILL	5.	1.00	0.104	0.46	5.5	0.41	0.17	0.44	1.78	0.	0.	2.81	1.369	-4.	0	63	
24921	GTR312	DISTILL	5.	0.12	0.050	0.46	3.2	0.23	0.10	0.32	0.22	1.35	0.	2.23	1.086	-1.	0	72	
24921	GTR316	DISTILL	5.	1.00	0.096	0.46	5.7	0.43	0.18	0.45	1.80	0.	0.	2.85	1.389	-4.	0	63	
24921	GTR316	DISTILL	5.	0.12	0.049	0.46	3.2	0.24	0.10	0.32	0.22	1.35	0.	2.23	1.089	-1.	0	72	
24921	FCPADS	DISTILL	5.	1.00	0.193	0.46	5.5	0.40	0.17	0.82	1.60	0.	0.	3.00	1.461	-5.	0	64	
24921	FCPADS	DISTILL	5.	0.26	0.082	0.46	3.4	0.25	0.11	0.42	0.42	1.14	0.	2.33	1.137	-2.	0	67	
24921	FCMCDS	DISTILL	5.	1.00	0.256	0.46	5.6	0.42	0.18	0.78	1.48	0.	0.	2.85	1.392	-4.	0	67	
24921	FCMCDS	DISTILL	5.	0.21	0.087	0.46	3.3	0.24	0.10	0.38	0.31	1.22	0.	2.25	1.097	-1.	0	74	
26212	ONOCGN	RESIDUA	50.	0.	0.	0.22	24.7	1.83	0.78	1.08	17.26	16.17	0.	37.10	1.000	0.	0	0	
26212	STM141	RESIDUA	50.	0.94	0.286	0.22	32.3	2.45	1.04	1.41	23.04	0.91	0.	28.86	0.778	22.	54	2	
26212	STM141	COAL-FG	50.	0.94	0.286	0.22	61.3	4.65	1.98	3.20	13.38	0.91	0.	24.12	0.650	23.	24	4	
26212	STM141	COAL-AE	50.	0.94	0.286	0.22	42.6	3.23	1.38	2.93	13.38	0.91	0.	21.83	0.588	39.	46	3	

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/ /HEAT COST																
		MW	REQD	RATIO *10**6	INSNC														
														15%					
26212 STM088	COAL-FG	50.	0.69	0.208	0.22	57.8	4.35	1.85	2.99	12.46	5.09	0.	26.74	0.721	16.	22	5		
26212 STM088	COAL-AF	50.	0.69	0.208	0.22	41.0	3.11	1.32	2.83	12.46	5.09	0.	24.81	0.669	30.	41	3		
26212 PFBSTM	COAL-PF	50.	1.00	0.297	0.22	63.2	4.79	2.04	4.84	13.70	0.	0.	25.37	0.684	18.	22	5		
26212 PFBSTM	COAL-PF	50.	1.53	0.361	0.22	60.9	4.62	1.97	5.13	15.66	0.	-5.16	22.22	0.599	29.	27	4		
26212 TISTMT	RESIDUA	50.	1.00	0.298	0.22	105.8	8.03	3.41	3.57	23.55	0.	0.	38.56	1.039	-44.	3	16		
26212 TISTMT	RESIDUA	50.	1.26	0.333	0.22	118.8	9.01	3.83	3.90	25.19	0.	-2.52	39.42	1.062	-53.	3	18		
26212 TISTMT	COAL	50.	1.00	0.298	0.22	140.2	10.64	4.52	5.58	13.68	0.	0.	34.43	0.928	-48.	7	11		
26212 TISTMT	COAL	50.	2.05	0.404	0.22	202.1	15.34	6.52	6.85	17.50	0.	-10.15	36.07	0.972	-82.	5	13		
26212 TIHRSG	RESIDUA	50.	0.61	0.135	0.22	105.5	7.81	3.32	3.40	22.71	6.26	0.	43.50	1.172	-58.	0	999		
26212 TIHRSG	COAL	50.	1.00	0.219	0.22	179.8	13.64	5.80	6.06	15.17	0.06	0.	40.74	1.098	-86.	3	18		
26212 STIRL	DISTILL	50.	1.00	0.215	0.22	53.6	3.97	1.69	2.22	32.28	0.	0.	40.16	1.082	-23.	0	103		
26212 STIRL	DISTILL	50.	1.49	0.259	0.22	63.2	4.68	1.99	2.48	37.69	0.	-4.71	42.13	1.135	-34.	0	76		
26212 STIRL	RESIDUA	50.	1.00	0.215	0.22	53.7	3.98	1.69	2.22	26.33	0.	0.	34.22	0.922	-5.	12	8		
26212 STIRL	RESIDUA	50.	1.49	0.259	0.22	63.3	4.69	1.99	2.48	30.74	0.	-4.71	35.20	0.949	-12.	9	10		
26212 STIRL	COAL	50.	1.00	0.215	0.22	91.5	6.77	2.88	4.41	15.29	0.	0.	29.36	0.791	-7.	13	7		
26212 STIRL	COAL	50.	2.41	0.308	0.22	150.0	11.11	4.72	5.79	22.75	0.	-13.72	30.66	0.826	-39.	9	10		
26212 HEGT85	COAL-AF	50.	1.00	0.069	0.22	120.7	9.16	3.89	5.20	18.14	0.	0.	36.39	0.981	-44.	5	13		
26212 HEGT85	COAL-AF	50.	12.41	0.131	0.22	652.2	49.49	21.04	23.87	110.80	0.	-110.71	94.49	2.547	-482.	0	276		
26212 HEGT60	COAL-AF	50.	1.00	0.091	0.22	115.1	8.74	3.71	5.08	17.71	0.	0.	35.25	0.950	-38.	6	12		
26212 HEGT60	COAL-AF	50.	4.07	0.148	0.22	213.3	16.19	6.88	8.72	41.36	0.	-29.82	43.33	1.168	-111.	2	21		
26212 HEGT00	COAL-AF	50.	1.00	0.110	0.22	100.7	7.64	3.25	4.76	17.34	0.	0.	32.98	0.889	-24.	9	10		
26212 HEGT00	COAL-AF	50.	1.65	0.138	0.22	117.0	8.88	3.78	5.11	22.07	0.	-6.28	33.56	0.905	-34.	8	10		
26212 FCMCCL	COAL	50.	1.00	0.062	0.22	96.8	7.52	3.20	5.36	20.69	0.	0.	36.77	0.991	-35.	5	13		
26212 FCMCCL	COAL	50.	2.94	0.226	0.22	142.4	11.07	4.71	8.45	29.24	0.	-18.78	34.69	0.935	-51.	6	12		
26212 FCSTCL	COAL	50.	1.00	0.052	0.22	101.8	7.91	3.37	5.37	20.50	0.	0.	37.15	1.001	-39.	5	14		
26212 FCSTCL	COAL	50.	4.46	0.328	0.22	172.5	13.41	5.70	10.26	35.09	0.	-33.56	30.90	0.833	-55.	8	10		
26212 IGGTST	COAL	50.	1.00	0.108	0.22	89.1	6.92	2.94	4.02	21.58	0.	0.	35.47	0.956	-27.	7	11		
26212 IGGTST	COAL	50.	3.10	0.169	0.22	137.8	10.71	4.56	4.50	32.71	0.	-20.37	32.11	0.865	-41.	8	10		
26212 GTSOAR	RESIDUA	50.	1.00	0.217	0.22	39.9	2.96	1.26	1.79	26.27	0.	0.	32.27	0.870	8.	23	5		
26212 GTSOAR	RESIDUA	50.	1.92	0.288	0.22	48.3	3.57	1.52	2.04	34.59	0.	-8.96	32.76	0.883	3.	16	6		
26212 GTAC08	RESIDUA	50.	1.00	0.258	0.22	37.1	2.75	1.17	1.71	24.88	0.	0.	30.50	0.822	15.	34	3		
26212 GTAC08	RESIDUA	50.	1.48	0.310	0.22	40.1	2.97	1.26	1.80	28.51	0.	-4.62	29.92	0.806	15.	30	4		
26212 GTAC12	RESIDUA	50.	1.00	0.254	0.22	38.5	2.85	1.21	1.75	25.02	0.	0.	30.83	0.831	13.	30	4		
26212 GTAC12	RESIDUA	50.	1.85	0.333	0.22	45.9	3.40	1.45	1.96	31.60	0.	-8.23	30.17	0.813	12.	24	4		
26212 GTAC16	RESIDUA	50.	1.00	0.249	0.22	39.9	2.96	1.26	1.78	25.19	0.	0.	31.18	0.840	11.	27	4		
26212 GTAC16	RESIDUA	50.	2.10	0.341	0.22	50.9	3.77	1.60	2.10	33.92	0.	-10.68	30.71	0.828	8.	19	5		
26212 GTWC16	RESIDUA	50.	1.00	0.227	0.22	39.1	2.89	1.23	1.77	25.93	0.	0.	31.82	0.858	10.	26	4		
26212 GTWC16	RESIDUA	50.	2.19	0.315	0.22	48.6	3.60	1.53	2.05	36.25	0.	-11.55	31.89	0.860	5.	18	6		
26212 CC1626	RESIDUA	50.	1.00	0.224	0.22	42.9	3.26	1.38	1.98	26.02	0.	0.	32.64	0.880	5.	19	5		
26212 CC1626	RESIDUA	50.	3.46	0.354	0.22	61.3	4.65	1.98	2.58	47.53	0.	-23.81	32.92	0.887	-5.	12	8		
26212 CC1622	RESIDUA	50.	1.00	0.235	0.22	43.4	3.29	1.40	1.98	25.65	0.	0.	32.31	0.871	6.	19	5		
26212 CC1622	RESIDUA	50.	3.11	0.362	0.22	62.5	4.74	2.02	2.55	43.34	0.	-20.45	32.21	0.868	-3.	13	7		
26212 CC1222	RESIDUA	50.	1.00	0.238	0.22	42.3	3.21	1.37	1.96	25.57	0.	0.	32.12	0.866	7.	21	5		

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SENSITIVITY OF CAPITAL COST

PERCENT OF ORIGINAL COST 100

*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****

ENERGY	CONV	SITE-	POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESENT	ROI	GROSS
SYSTEM		FUEL	REQD	GEN/	/HEAT	COST		+			ELEC				WORTH	%	PAY
			MW	REQD		RATIO *10**6		INSNC							15%		BACK
26212	CC0822	RESIDUA	50.	1.00	0.255	0.22	38.4	2.91	1.24	1.86	25.01	0.	0.	31.02	0.836	12.	28
26212	CC0822	RESIDUA	50.	2.46	0.367	0.22	51.0	3.87	1.65	2.26	36.32	0.	-14.17	29.93	0.807	9.	20
26212	STIG15	RESIDUA	50.	1.00	0.084	0.22	43.7	3.24	1.38	2.32	30.73	0.	0.	37.67	1.015	-11.	2
26212	STIG15	RESIDUA	50.	82.46	0.171	0.22	1012.1	74.97	31.87	62.10	128.33	0.	-790.16	507.10	13.667	-1940.	0
26212	STIG10	RESIDUA	50.	1.00	0.120	0.22	42.2	3.13	1.33	2.14	29.51	0.	0.	36.11	0.973	-5.	9
26212	STIG10	RESIDUA	50.	7.63	0.218	0.22	115.5	8.56	3.64	6.13	110.70	0.	-64.27	64.76	1.745	-130.	0
26212	STIG1S	RESIDUA	50.	1.00	0.137	0.22	41.5	3.07	1.31	2.15	28.95	0.	0.	35.47	0.956	-3.	11
26212	STIG1S	RESIDUA	50.	4.47	0.228	0.22	75.4	5.58	2.37	4.21	69.58	0.	-33.70	48.05	1.295	-58.	0
26212	DEADV3	RESIDUA	50.	1.00	0.168	0.22	60.4	4.47	1.90	2.38	27.92	0.	0.	36.67	0.988	-15.	6
26212	DEADV3	RESIDUA	50.	5.09	0.286	0.22	175.2	12.98	5.52	5.48	71.56	0.	-39.70	55.84	1.505	-129.	0
26212	DEHTPM	RESIDUA	50.	1.00	0.250	0.22	59.3	4.39	1.87	2.41	25.16	0.	0.	33.83	0.912	-6.	11
26212	DEHTPM	RESIDUA	50.	2.15	0.345	0.22	92.8	6.88	2.92	3.34	34.23	0.	-11.13	36.25	0.977	-29.	6
26212	DESOA3	DISTILL	50.	1.00	0.142	0.22	68.6	5.08	2.16	2.59	35.29	0.	0.	45.12	1.216	-46.	0
26212	DESOA3	DISTILL	50.	5.94	0.248	0.22	248.5	18.41	7.83	7.37	105.16	0.	-47.92	90.84	2.448	-273.	0
26212	DESOA3	RESIDUA	50.	1.00	0.142	0.22	68.6	5.08	2.16	2.59	28.79	0.	0.	38.62	1.041	-25.	1
26212	DESOA3	RESIDUA	50.	5.94	0.248	0.22	248.5	18.41	7.83	7.37	85.79	0.	-47.92	71.46	1.926	-212.	0
26212	GTSOAd	DISTILL	50.	1.00	0.242	0.22	36.4	2.70	1.15	1.70	31.18	0.	0.	36.72	0.990	-4.	7
26212	GTSOAd	DISTILL	50.	1.78	0.312	0.22	41.8	3.08	1.31	1.85	39.04	0.	-7.60	37.68	1.016	-10.	2
26212	GTRA08	DISTILL	50.	1.00	0.223	0.22	44.7	3.31	1.41	1.90	31.97	0.	0.	38.59	1.040	-14.	0
26212	GTRA08	DISTILL	50.	2.99	0.338	0.22	69.7	5.16	2.20	2.61	53.47	0.	-19.28	44.17	1.190	-43.	0
26212	GTRA12	DISTILL	50.	1.00	0.228	0.22	45.2	3.34	1.42	1.91	31.73	0.	0.	38.41	1.035	-14.	0
26212	GTRA12	DISTILL	50.	2.91	0.345	0.22	68.2	5.05	2.15	2.57	51.94	0.	-18.52	43.18	1.164	-39.	0
26212	GTRA16	DISTILL	50.	1.00	0.230	0.22	46.2	3.43	1.46	1.94	31.66	0.	0.	38.48	1.037	-14.	0
26212	GTRA16	DISTILL	50.	2.71	0.341	0.22	68.5	5.07	2.16	2.57	49.62	0.	-16.59	42.83	1.154	-39.	0
26212	GTR208	DISTILL	50.	1.00	0.230	0.22	39.9	2.95	1.26	1.79	31.68	0.	0.	37.67	1.015	-9.	1
26212	GTR208	DISTILL	50.	2.24	0.321	0.22	51.6	3.82	1.63	2.13	44.72	0.	-12.02	40.27	1.085	-23.	0
26212	GTR212	DISTILL	50.	1.00	0.229	0.22	40.7	3.01	1.28	1.81	31.71	0.	0.	37.81	1.019	-10.	0
26212	GTR212	DISTILL	50.	2.40	0.327	0.22	54.8	4.06	1.72	2.21	46.51	0.	-13.59	40.91	1.102	-26.	0
26212	GTR216	DISTILL	50.	1.00	0.233	0.22	41.8	3.10	1.32	1.83	31.53	0.	0.	37.77	1.018	-10.	1
26212	GTR216	DISTILL	50.	2.46	0.336	0.22	58.1	4.30	1.83	2.30	46.70	0.	-14.19	40.94	1.103	-28.	0
26212	GTRW08	DISTILL	50.	1.00	0.187	0.22	44.2	3.27	1.39	1.90	33.42	0.	0.	39.98	1.078	-18.	0
26212	GTRW08	DISTILL	50.	3.56	0.297	0.22	71.3	5.28	2.24	2.69	64.83	0.	-24.84	50.21	1.353	-63.	0
26212	GTRW12	DISTILL	50.	1.00	0.201	0.22	44.2	3.27	1.39	1.89	32.85	0.	0.	39.41	1.062	-16.	0
26212	GTRW12	DISTILL	50.	3.61	0.320	0.22	71.7	5.31	2.26	2.70	63.42	0.	-25.34	48.35	1.303	-57.	0
26212	GTRW16	DISTILL	50.	1.00	0.204	0.22	44.9	3.33	1.41	1.91	32.72	0.	0.	39.38	1.061	-17.	0
26212	GTRW16	DISTILL	50.	3.34	0.319	0.22	63.7	4.72	2.01	2.49	59.82	0.	-22.71	46.32	1.248	-47.	0
26212	GTR308	DISTILL	50.	1.00	0.174	0.22	43.0	3.19	1.36	1.88	33.99	0.	0.	40.41	1.089	-19.	0
26212	GTR308	DISTILL	50.	2.72	0.257	0.22	54.9	4.07	1.73	2.25	56.05	0.	-16.67	47.42	1.278	-47.	0
26212	GTR312	DISTILL	50.	1.00	0.208	0.22	42.9	3.18	1.35	1.86	32.55	0.	0.	38.95	1.050	-14.	0
26212	GTR312	DISTILL	50.	2.90	0.314	0.22	56.0	4.15	1.76	2.27	54.25	0.	-18.46	43.97	1.185	-36.	0
26212	GTR316	DISTILL	50.	1.00	0.207	0.22	43.8	3.24	1.38	1.89	32.60	0.	0.	39.11	1.054	-15.	0
26212	GTR316	DISTILL	50.	2.86	0.311	0.22	57.3	4.24	1.80	2.31	53.88	0.	-18.02	44.21	1.191	-38.	0
26212	ECPADS	DISTILL	50.	1.00	0.158	0.22	57.1	4.23	1.80	6.71	34.61	0.	0.	47.34	1.276	-48.	0

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES	GEN/	ANDM	FUEL	PURCHD	REVENUE	TOTAL	NORML	PRESNT	ROI	GROSS							
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	ELEC				WORTH	%	PAY							
		MW	REQD	RATIO *10**6	INSNC					15%		BACK							
26212 FCMCDS DISTILL	50.	1.00	0.212	0.22	59.1	4.38	1.86	6.39	32.41	0.	0.	45.05	1.214	-42.	0	66			
26212 FCMCDS DISTILL	50.	4.98	0.360	0.22	164.2	12.16	5.17	26.14	77.17	0.	-38.56	82.08	2.212	-209.	0	62			
26214 ONCCGN RESIDUA	29.	0.	0.	0.16	21.5	1.59	0.68	0.96	14.02	9.38	0.	26.63	1.000	0.	0	0			
26214 STM141 RESIDUA	29.	1.00	0.251	0.16	24.4	1.85	0.79	1.40	17.58	0.	0.	21.62	0.812	14.	73	2			
26214 STM141 RESIDUA	29.	1.35	0.296	0.16	24.2	1.84	0.78	1.17	18.81	0.	-1.94	20.65	0.776	17.	91	2			
26214 STM141 COAL-FG	29.	1.00	0.251	0.16	48.8	3.70	1.57	3.00	10.21	0.	0.	18.48	0.694	12.	22	5			
26214 STM141 COAL-FG	29.	1.35	0.296	0.16	52.2	3.96	1.69	2.75	10.92	0.	-1.94	17.38	0.653	14.	22	5			
26214 STM141 COAL-AF	29.	1.00	0.251	0.16	43.6	3.31	1.41	2.94	10.21	0.	0.	17.86	0.671	16.	26	4			
26214 STM141 COAL-AF	29.	1.35	0.296	0.16	37.0	2.81	1.20	2.50	10.92	0.	-1.94	15.49	0.582	27.	40	3			
26214 STM088 RESIDUA	29.	0.99	0.249	0.16	21.9	1.66	0.71	1.10	17.55	0.07	0.	21.10	0.792	17.	999	1			
26214 STM088 COAL-FG	29.	0.99	0.249	0.16	48.8	3.71	1.58	2.58	10.19	0.07	0.	18.13	0.681	13.	22	5			
26214 STM088 COAL-AF	29.	0.99	0.249	0.16	35.6	2.70	1.15	2.42	10.19	0.07	0.	16.54	0.621	24.	40	3			
26214 PFBSTM COAL-PF	29.	1.00	0.246	0.16	51.1	3.88	1.65	3.70	10.27	0.	0.	19.49	0.732	8.	19	5			
26214 PFBSTM COAL-PF	29.	2.14	0.362	0.16	52.2	3.96	1.68	4.26	12.71	0.	-6.44	16.18	0.607	17.	24	5			
26214 TISTMT RESIDUA	29.	1.00	0.247	0.16	73.7	5.59	2.38	2.67	17.67	0.	0.	28.31	1.063	-31.	2	21			
26214 TISTMT RESIDUA	29.	1.82	0.338	0.16	101.2	7.68	3.26	3.39	20.67	0.	-4.62	30.39	1.141	-50.	0	28			
26214 TISTMT COAL	29.	1.00	0.247	0.16	99.7	7.57	3.22	4.27	10.26	0.	0.	25.32	0.951	-34.	6	12			
26214 TISTMT COAL	29.	2.85	0.403	0.16	169.3	12.85	5.46	5.79	14.18	0.	-10.40	27.88	1.047	-75.	4	15			
26214 TIHRSG RESIDUA	29.	1.00	0.084	0.16	98.0	7.26	3.09	3.14	21.49	0.	0.	34.98	1.314	-62.	0	91			
26214 TIHRSG RESIDUA	29.	0.86	0.157	0.16	88.9	6.58	2.80	2.92	18.46	1.32	0.	32.08	1.205	-49.	0	999			
26214 TIHRSG COAL	29.	1.00	0.183	0.16	131.9	10.01	4.25	4.97	11.14	0.	0.	30.37	1.140	-65.	2	21			
26214 TIHRSG COAL	29.	1.34	0.215	0.16	149.5	11.35	4.82	5.07	12.17	0.	-1.93	31.48	1.182	-77.	1	23			
26214 STIRL DISTILL	29.	1.00	0.178	0.16	38.4	2.84	1.21	1.74	23.64	0.	0.	29.43	1.105	-17.	0	68			
26214 STIRL DISTILL	29.	2.08	0.259	0.16	50.5	3.74	1.59	2.09	30.62	0.	-6.08	31.97	1.200	-30.	0	65			
26214 STIRL RESIDUA	29.	1.00	0.178	0.16	38.4	2.85	1.21	1.74	19.29	0.	0.	25.08	0.942	-3.	11	8			
26214 STIRL RESIDUA	29.	2.08	0.259	0.16	50.6	3.75	1.59	2.09	24.98	0.	-6.08	26.33	0.989	-13.	6	12			
26214 STIRL COAL	29.	1.00	0.178	0.16	64.1	4.74	2.02	3.38	11.20	0.	0.	21.34	0.801	-4.	13	7			
26214 STIRL COAL	29.	3.26	0.304	0.16	117.4	8.70	3.70	4.67	18.09	0.	-12.69	22.46	0.844	-32.	8	10			
26214 HEGT85 COAL-AF	29.	1.00	0.057	0.16	82.1	6.23	2.65	3.79	12.85	0.	0.	25.52	0.958	-26.	6	12			
26214 HEGT85 COAL-AF	29.	16.74	0.130	0.16	487.4	36.98	15.72	18.23	86.96	0.	-88.54	69.35	2.605	-358.	0	270			
26214 HEGT60 COAL-AF	29.	1.00	0.075	0.16	79.3	6.02	2.56	3.73	12.60	0.	0.	24.92	0.936	-23.	7	11			
26214 HEGT60 COAL-AF	29.	5.49	0.147	0.16	179.2	13.60	5.78	7.23	32.65	0.	-25.28	33.98	1.276	-99.	0	28			
26214 HEGT00 COAL-AF	29.	1.00	0.091	0.16	75.6	5.73	2.44	3.67	12.38	0.	0.	24.23	0.910	-19.	8	10			
26214 HEGT00 COAL-AF	29.	2.22	0.136	0.16	98.3	7.46	3.17	4.25	17.57	0.	-6.87	25.58	0.961	-34.	6	12			
26214 FCMCCL COAL	29.	1.00	0.122	0.16	73.4	5.71	2.43	4.02	15.29	0.	0.	27.45	1.031	-29.	3	16			
26214 FCMCCL COAL	29.	3.96	0.234	0.16	119.0	9.25	3.93	6.89	22.87	0.	-16.65	26.29	0.987	-48.	5	13			
26214 FCSTCL COAL	29.	1.00	0.114	0.16	71.2	5.54	2.35	3.92	15.18	0.	0.	26.99	1.014	-26.	4	15			
26214 FCSTCL COAL	29.	6.13	0.337	0.16	145.3	11.30	4.80	8.45	27.71	0.	-28.87	23.39	0.879	-52.	7	11			
26214 IGGTST COAL	29.	1.00	0.159	0.16	68.4	5.31	2.26	3.32	15.79	0.	0.	26.69	1.002	-24.	5	14			
26214 IGGTST COAL	29.	4.28	0.183	0.16	115.4	8.97	3.81	3.87	25.83	0.	-18.46	24.02	0.902	-39.	7	11			
26214 GTSOAR RESIDUA	29.	1.00	0.180	0.16	31.4	2.33	0.99	1.49	19.25	0.	0.	24.06	0.903	-3.	20	5			
26214 GTSOAR RESIDUA	29.	2.70	0.288	0.16	40.0	2.96	1.26	1.76	28.11	0.	-9.54	24.55	0.922	-2.	12	7			
26214 GTACOR RESIDUA	29.	1.00	0.214	0.16	29.5	2.19	0.93	1.44	18.44	0.	0.	23.00	0.864	8.	30	4			

KEYWELL PAGE PRINTING SYSTEM - P1185-02

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100							
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	LANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS		
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC				WORTH	%	PAY		
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK		
26214 GTAC12	RESIDUA	29.	1.00	0.211	0.16	30.2	2.24	0.95	1.46	18.52	0.	0.	23.17	0.870	7.	27	4
26214 GTAC12	RESIDUA	29.	2.59	0.333	0.16	35.6	2.64	1.12	1.64	25.67	0.	-8.94	22.12	0.831	7.	23	5
26214 GTAC16	RESIDUA	29.	1.00	0.207	0.16	31.1	2.30	0.98	1.48	18.62	0.	0.	23.37	0.878	6.	24	4
26214 GTAC16	RESIDUA	29.	2.94	0.341	0.16	39.8	2.95	1.25	1.75	27.56	0.	-10.94	22.58	0.848	4.	18	6
26214 GTWC16	RESIDUA	29.	1.00	0.188	0.16	30.9	2.29	0.97	1.48	19.05	0.	0.	23.79	0.893	4.	22	5
26214 GTWC16	RESIDUA	29.	3.07	0.315	0.16	38.2	2.83	1.20	1.73	29.45	0.	-11.64	23.58	0.886	2.	16	6
26214 CC1626	RESIDUA	29.	1.00	0.187	0.16	31.1	2.36	1.00	1.58	19.09	0.	0.	24.04	0.903	3.	20	5
26214 CC1626	RESIDUA	29.	4.93	0.356	0.16	51.7	3.92	1.67	2.26	39.00	0.	-22.09	24.76	0.930	-9.	9	9
26214 CC1622	RESIDUA	29.	1.00	0.196	0.16	31.1	2.36	1.00	1.58	18.88	0.	0.	23.82	0.894	4.	21	5
26214 CC1622	RESIDUA	29.	4.43	0.364	0.16	52.3	3.97	1.69	2.23	35.55	0.	-19.32	24.13	0.906	-7.	10	8
26214 CC1222	RESIDUA	29.	1.00	0.198	0.16	30.5	2.31	0.98	1.57	18.83	0.	0.	23.70	0.890	5.	22	5
26214 CC1222	RESIDUA	29.	4.41	0.367	0.16	49.7	3.77	1.60	2.19	35.27	0.	-19.21	23.63	0.887	-4.	12	8
26214 CC0822	RESIDUA	29.	1.00	0.212	0.16	30.3	2.30	0.98	1.56	18.50	0.	0.	23.34	0.877	6.	24	4
26214 CC0822	RESIDUA	29.	3.52	0.370	0.16	40.3	3.06	1.30	1.92	29.80	0.	-14.18	21.91	0.823	5.	19	5
26214 STIG15	RESIDUA	29.	1.00	0.070	0.16	34.5	2.55	1.09	1.82	21.84	0.	0.	27.30	1.025	-8.	0	999
26214 STIG15	RESIDUA	29.	115.52	0.171	0.16	826.8	61.24	26.04	50.80	916.77	0.	-644.26	410.57	15.419	-1584.	0	58
26214 STIG10	RESIDUA	29.	1.00	0.100	0.16	30.3	2.25	0.96	1.63	21.13	0.	0.	25.97	0.975	-2.	10	9
26214 STIG10	RESIDUA	29.	10.68	0.218	0.16	97.2	7.20	3.06	5.18	89.95	0.	-54.47	50.92	1.913	-112.	0	60
26214 STIG15	RESIDUA	29.	1.00	0.114	0.16	29.9	2.22	0.94	1.64	20.80	0.	0.	25.60	0.961	-1.	13	7
26214 STIG15	RESIDUA	29.	6.27	0.228	0.16	59.4	4.40	1.87	3.48	56.54	0.	-29.63	36.65	1.377	-49.	0	61
26214 DEADV3	RESIDUA	29.	1.00	0.139	0.16	40.5	3.00	1.27	1.77	20.21	0.	0.	26.25	0.986	-8.	6	12
26214 DEADV3	RESIDUA	29.	7.13	0.286	0.16	141.9	10.51	4.47	4.56	58.14	0.	-34.51	43.18	1.622	-108.	0	73
26214 DEHTPM	RESIDUA	29.	1.00	0.207	0.16	41.8	3.10	1.32	1.87	18.61	0.	0.	24.89	0.935	-4.	11	8
26214 DEHTPM	RESIDUA	29.	3.01	0.345	0.16	74.7	5.53	2.35	2.81	27.82	0.	-11.30	27.21	1.022	-27.	4	15
26214 DESOA3	DISTILL	29.	1.00	0.118	0.16	45.2	3.35	1.42	1.90	25.39	0.	0.	32.06	1.204	-28.	0	62
26214 DESOA3	DISTILL	29.	8.32	0.248	0.16	201.6	14.93	6.35	6.10	85.44	0.	-41.19	71.63	2.690	-225.	0	61
26214 DESOA3	RESIDUA	29.	1.00	0.118	0.16	45.2	3.35	1.42	1.90	20.71	0.	0.	27.38	1.028	-14.	2	21
26214 DESOA3	RESIDUA	29.	8.32	0.248	0.16	201.6	14.93	6.35	6.10	69.70	0.	-41.19	55.89	2.099	-176.	0	67
26214 GTSOAD	DISTILL	29.	1.00	0.200	0.16	29.0	2.15	0.91	1.43	23.00	0.	0.	27.49	1.032	-6.	0	95
26214 GTSOAD	DISTILL	29.	2.50	0.312	0.16	32.0	2.37	1.01	1.55	31.72	0.	-8.43	28.22	1.060	-10.	0	71
26214 GTRA08	DISTILL	29.	1.00	0.184	0.16	32.3	2.39	1.02	1.51	23.46	0.	0.	28.38	1.066	-11.	0	69
26214 GTRA08	DISTILL	29.	4.18	0.338	0.16	51.8	3.84	1.63	2.10	43.45	0.	-17.92	33.10	1.243	-35.	0	63
26214 GTRA12	DISTILL	29.	1.00	0.189	0.16	32.5	2.41	1.02	1.51	23.32	0.	0.	28.27	1.062	-10.	0	71
26214 GTRA12	DISTILL	29.	4.08	0.345	0.16	52.3	3.87	1.65	2.10	42.20	0.	-17.30	32.51	1.221	-33.	0	64
26214 GTRA16	DISTILL	29.	1.00	0.191	0.16	33.3	2.47	1.05	1.53	23.28	0.	0.	28.33	1.064	-11.	0	73
26214 GTRA16	DISTILL	29.	3.80	0.341	0.16	52.4	3.88	1.65	2.10	40.32	0.	-15.73	32.21	1.210	-32.	0	65
26214 GTR208	DISTILL	29.	1.00	0.190	0.16	31.3	2.32	0.98	1.48	23.29	0.	0.	28.08	1.054	-9.	0	72
26214 GTR208	DISTILL	29.	3.14	0.321	0.16	42.7	3.17	1.35	1.84	36.33	0.	-12.02	30.66	1.151	-23.	0	65
26214 GTR212	DISTILL	29.	1.00	0.190	0.16	31.8	2.36	1.00	1.50	23.31	0.	0.	28.17	1.058	-10.	0	72
26214 GTR212	DISTILL	29.	3.36	0.327	0.16	45.4	3.36	1.43	1.91	37.79	0.	-13.30	31.19	1.171	-26.	0	61
26214 GTR216	DISTILL	29.	1.00	0.193	0.16	32.5	2.41	1.02	1.51	23.20	0.	0.	28.14	1.057	-10.	0	75
26214 GTR216	DISTILL	29.	3.45	0.336	0.16	48.2	3.57	1.52	1.98	37.94	0.	-13.78	31.22	1.173	-27.	0	66
26214 GTRW08	DISTILL	29.	1.00	0.155	0.16	32.2	2.38	1.01	1.51	24.30	0.	0.	29.21	1.097	-13.	0	62

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE-	POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS			
SYSTEM	FUEL	REQD	GEN/ REQD	/HEAT COST	RATIO *10**6	INSNC				ELEC				WORTH	%	PAY			
		MW												15%		BACK			
26214	GTRW12	DISTILL	29.	1.00	0.167	0.16	32.2	2.38	1.01	1.50	23.97	0.	0.	28.87	1.084	-12.	0	63	
26214	GTRW12	DISTILL	29.	5.06	0.320	0.16	54.0	4.00	1.70	2.18	51.53	0.	-22.85	36.57	1.374	-46.	0	60	
26214	GTRW16	DISTILL	29.	1.00	0.169	0.16	32.7	2.42	1.03	1.52	23.90	0.	0.	28.87	1.084	-12.	0	64	
26214	GTRW16	DISTILL	29.	4.68	0.319	0.16	53.5	3.96	1.68	2.16	48.60	0.	-20.71	35.69	1.340	-43.	0	60	
26214	GTR308	DISTILL	29.	1.00	0.144	0.16	31.4	2.32	0.99	1.50	24.63	0.	0.	29.44	1.106	-13.	0	61	
26214	GTR308	DISTILL	29.	3.81	0.257	0.16	43.6	3.23	1.37	1.90	45.54	0.	-15.80	36.24	1.361	-41.	0	58	
26214	GTR312	DISTILL	29.	1.00	0.173	0.16	31.3	2.32	0.99	1.49	23.80	0.	0.	28.59	1.074	-11.	0	64	
26214	GTR312	DISTILL	29.	4.07	0.314	0.16	46.7	3.46	1.47	1.97	44.08	0.	-17.25	33.73	1.267	-34.	0	60	
26214	GTR316	DISTILL	29.	1.00	0.172	0.16	32.0	2.37	1.01	1.50	23.83	0.	0.	28.70	1.078	-11.	0	64	
26214	GTR316	DISTILL	29.	4.00	0.311	0.16	47.9	3.55	1.51	2.00	43.77	0.	-16.90	33.93	1.274	-35.	0	60	
26214	FCPADS	DISTILL	29.	1.00	0.131	0.16	38.6	2.86	1.21	4.23	24.99	0.	0.	33.29	1.250	-29.	0	61	
26214	FCPADS	DISTILL	29.	8.81	0.279	0.16	153.7	11.39	4.84	28.29	85.94	0.	-43.94	86.51	3.249	-253.	0	60	
26214	FCMCDS	DISTILL	29.	1.00	0.176	0.16	39.8	2.95	1.25	4.04	23.72	0.	0.	31.96	1.200	-26.	0	63	
26214	FCMCDS	DISTILL	29.	6.97	0.360	0.16	133.2	9.87	4.19	21.30	62.70	0.	-33.58	64.48	2.422	-174.	0	62	
26216	ONOCGN	RESIDUA	20.	0.	0.	0.22	12.4	0.92	0.39	0.65	11.04	6.47	0.	19.46	1.000	0.	0	0	
26216	STM141	RESIDUA	20.	0.91	0.210	0.22	13.1	0.99	0.42	0.79	13.26	0.61	0.	16.07	0.826	10.	157	1	
26216	STM141	COAL-F0	20.	0.91	0.210	0.22	27.1	2.06	0.87	1.66	7.70	0.61	0.	12.89	0.663	13.	29	4	
26216	STM141	COAL-AF	20.	0.91	0.210	0.22	19.5	1.48	0.63	1.49	7.70	0.61	0.	11.91	0.612	20.	54	2	
26216	STM088	RESIDUA	20.	0.65	0.151	0.22	13.1	0.99	0.42	0.78	12.64	2.24	0.	17.07	0.877	7.	114	1	
26216	STM088	COAL-F0	20.	0.65	0.151	0.22	25.1	1.90	0.81	1.56	7.34	2.24	0.	13.85	0.712	11.	28	4	
26216	STM088	COAL-AF	20.	0.65	0.151	0.22	18.5	1.40	0.60	1.44	7.34	2.24	0.	13.02	0.669	17.	54	2	
26216	PFBSTM	COAL-PF	20.	1.00	0.227	0.22	34.3	2.60	1.11	2.59	7.88	0.	0.	14.18	0.729	6.	19	5	
26216	PFBSTM	COAL-PF	20.	1.48	0.285	0.22	32.6	2.48	1.05	2.51	8.60	0.	-1.88	12.76	0.656	11.	23	5	
26216	TISTMT	RESIDUA	20.	1.00	0.228	0.22	51.7	3.92	1.67	1.97	13.56	0.	0.	21.12	1.085	-24.	1	25	
26216	TISTMT	RESIDUA	20.	1.99	0.331	0.22	79.2	6.01	2.56	2.49	16.05	0.	-3.83	23.27	1.196	-44.	0	999	
26216	TISTMT	COAL	20.	1.00	0.228	0.22	72.2	5.48	2.33	3.11	7.87	0.	0.	18.79	0.956	-27.	6	12	
26216	TISTMT	COAL	20.	1.99	0.331	0.22	100.3	7.61	3.24	3.56	9.32	0.	-3.83	19.90	1.023	-44.	4	14	
26216	TIHRSG	RESIDUA	20.	0.98	0.165	0.22	69.9	5.18	2.20	2.11	14.53	0.13	0.	24.14	1.240	-42.	0	999	
26216	TIHRSG	COAL	20.	0.98	0.165	0.22	89.6	6.80	2.89	3.12	8.44	0.13	0.	21.37	1.098	-43.	3	18	
26216	STIRL	DISTILL	20.	1.00	0.164	0.22	21.6	1.60	0.68	1.18	17.98	0.	0.	21.43	1.101	-11.	0	63	
26216	STIRL	DISTILL	20.	2.38	0.259	0.22	34.4	2.54	1.08	1.34	24.10	0.	-5.34	23.73	1.219	-24.	0	61	
26216	STIRL	RESIDUA	20.	1.00	0.164	0.22	21.6	1.60	0.68	1.18	14.67	0.	0.	18.12	0.931	-0.	14	7	
26216	STIRL	RESIDUA	20.	2.38	0.259	0.22	34.4	2.55	1.08	1.34	19.66	0.	-5.34	19.30	0.992	-10.	5	13	
26216	STIRL	COAL	20.	1.00	0.164	0.22	41.0	3.04	1.29	2.32	8.52	0.	0.	15.17	0.779	-0.	14	7	
26216	STIRL	COAL	20.	2.38	0.259	0.22	60.5	4.48	1.91	2.64	11.42	0.	-5.34	15.11	0.776	-9.	11	8	
26216	HEGT85	COAL-AF	20.	1.00	0.053	0.22	59.3	4.50	1.91	2.73	9.66	0.	0.	18.79	0.966	-21.	6	12	
26216	HEGT85	COAL-AF	20.	12.21	0.125	0.22	245.2	18.61	7.91	9.43	46.07	0.	-43.51	38.51	1.979	-172.	0	999	
26216	HEGT60	COAL-AF	20.	1.00	0.069	0.22	56.9	4.32	1.84	2.67	9.49	0.	0.	18.31	0.941	-18.	-7	11	
26216	HEGT60	COAL-AF	20.	4.01	0.131	0.22	110.3	8.37	3.56	4.33	18.74	0.	-11.68	23.32	1.189	-59.	1	24	
26216	HEGT00	COAL-AF	20.	1.00	0.084	0.22	53.0	4.02	1.71	2.56	9.34	0.	0.	17.62	0.906	-14.	8	10	
26216	HEGT00	COAL-AF	20.	1.62	0.111	0.22	60.5	4.59	1.95	2.57	11.15	0.	-2.41	17.85	0.917	-18.	7	11	
26216	FCMCCL	COAL	20.	1.00	0.198	0.22	50.4	3.92	1.67	2.81	8.17	0.	0.	16.57	0.851	-10.	10	9	
26216	FCMCCL	COAL	20.	2.89	0.336	0.22	72.2	5.61	2.39	3.96	11.51	0.	-7.33	16.13	0.829	-19.	9	10	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST					ELEC							WORTH	%	PAY	PERC
		MW	REQD	RATIO *10**6		INSNC							15%						
26216 FCSTCL COAL		20.	4.35	0.399	0.22	87.0	6.76	2.88	4.82	13.76	0.	-13.01	15.21	0.781	-24.	9	10		
26216 IGGTST COAL		20.	1.00	0.163	0.22	47.9	3.73	1.58	2.40	8.53	0.	0.	16.25	0.835	-8.	11	8		
26216 IGGTST COAL		20.	3.02	0.281	0.22	67.5	5.25	2.23	2.48	12.82	0.	-7.84	14.95	0.768	-13.	10	8		
26216 GTSOAR RESIDUA		20.	1.00	0.166	0.22	18.0	1.33	0.57	1.03	14.64	0.	0.	17.57	0.903	3.	24	4		
26216 GTSOAR RESIDUA		20.	3.08	0.288	0.22	26.1	1.93	0.82	1.07	22.12	0.	-8.06	17.89	0.919	-2.	12	7		
26216 GTAC08 RESIDUA		20.	1.00	0.198	0.22	16.6	1.23	0.52	0.99	14.09	0.	0.	16.82	0.864	6.	38	3		
26216 GTAC08 RESIDUA		20.	2.36	0.310	0.22	20.3	1.50	0.64	0.90	18.23	0.	-5.28	15.99	0.822	7.	29	4		
26216 GTAC12 RESIDUA		20.	1.00	0.194	0.22	17.0	1.26	0.53	1.00	14.14	0.	0.	16.93	0.870	6.	34	3		
26216 GTAC12 RESIDUA		20.	2.96	0.333	0.22	24.1	1.79	0.76	1.01	20.21	0.	-7.59	16.18	0.831	5.	21	5		
26216 GTAC16 RESIDUA		20.	1.00	0.191	0.22	17.6	1.30	0.55	1.01	14.21	0.	0.	17.07	0.877	5.	30	4		
26216 GTAC16 RESIDUA		20.	3.36	0.341	0.22	27.6	2.05	0.87	1.11	21.69	0.	-9.16	16.56	0.851	2.	17	6		
26216 GTWC16 RESIDUA		20.	1.00	0.174	0.22	17.7	1.31	0.56	1.02	14.51	0.	0.	17.39	0.893	4.	27	4		
26216 GTWC16 RESIDUA		20.	3.50	0.315	0.22	26.7	1.98	0.84	1.09	23.18	0.	-9.71	17.39	0.893	-0.	14	7		
26216 CC1626 RESIDUA		20.	1.00	0.171	0.22	17.8	1.35	0.57	1.12	14.55	0.	0.	17.59	0.904	3.	23	5		
26216 CC1626 RESIDUA		20.	5.48	0.353	0.22	35.7	2.71	1.15	1.50	30.28	0.	-17.40	18.24	0.937	-8.	9	10		
26216 CC1622 RESIDUA		20.	1.00	0.180	0.22	17.7	1.34	0.57	1.11	14.40	0.	0.	17.42	0.895	4.	25	4		
26216 CC1622 RESIDUA		20.	4.93	0.361	0.22	35.6	2.70	1.15	1.46	27.61	0.	-15.26	17.66	0.908	-6.	10	9		
26216 CC1222 RESIDUA		20.	1.00	0.182	0.22	17.2	1.30	0.55	1.10	14.37	0.	0.	17.33	0.890	4.	27	4		
26216 CC1222 RESIDUA		20.	4.91	0.364	0.22	33.7	2.56	1.09	1.43	27.38	0.	-15.16	17.30	0.889	-4.	12	8		
26216 CC0822 RESIDUA		20.	1.00	0.195	0.22	17.2	1.30	0.55	1.10	14.14	0.	0.	17.10	0.879	5.	30	4		
26216 CC0822 RESIDUA		20.	3.90	0.365	0.22	27.9	2.12	0.90	1.26	23.14	0.	-11.25	16.17	0.831	3.	17	6		
26216 STIG15 RESIDUA		20.	1.00	0.064	0.22	22.1	1.64	0.70	1.31	16.43	0.	0.	20.07	1.031	-7.	0	999		
26216 STIG15 RESIDUA		20.	131.85	0.171	0.22	651.1	48.23	20.50	39.96	721.66	0.	-507.70	322.65	16.579	-1252.	0	58		
26216 STIG10 RESIDUA		20.	1.00	0.092	0.22	18.4	1.37	0.58	1.16	15.94	0.	0.	19.05	0.979	-2.	10	9		
26216 STIG10 RESIDUA		20.	12.19	0.218	0.22	72.6	5.38	2.29	3.83	70.80	0.	-43.43	38.87	1.997	-89.	0	60		
26216 STIG15 RESIDUA		20.	1.00	0.105	0.22	18.1	1.34	0.57	1.16	15.72	0.	0.	18.80	0.966	-1.	12	7		
26216 STIG15 RESIDUA		20.	7.15	0.228	0.22	44.3	3.28	1.40	2.51	44.50	0.	-23.88	27.82	1.430	-41.	0	61		
26216 DEADV3 RESIDUA		20.	1.00	0.128	0.22	24.3	1.80	0.77	1.24	15.30	0.	0.	19.11	0.982	-5.	7	11		
26216 DEADV3 RESIDUA		20.	8.14	0.286	0.22	106.9	7.91	3.37	3.32	45.77	0.	-27.71	32.66	1.678	-66.	0	72		
26216 DEHTPM RESIDUA		20.	1.00	0.191	0.22	23.9	1.77	0.75	1.28	14.20	0.	0.	18.00	0.925	-1.	13	7		
26216 DEHTPM RESIDUA		20.	3.43	0.345	0.22	53.4	3.96	1.68	1.92	21.90	0.	-9.44	20.01	1.028	-21.	4	16		
26216 DESO33 DISTILL		20.	1.00	0.108	0.22	27.6	2.05	0.87	1.33	19.19	0.	0.	23.43	1.204	-20.	0	61		
26216 DESO33 DISTILL		20.	9.50	0.248	0.22	154.0	11.40	4.85	4.54	67.26	0.	-32.97	55.08	2.630	-178.	0	61		
26216 DESO33 RESIDUA		20.	1.00	0.108	0.22	27.6	2.05	0.87	1.33	15.65	0.	0.	19.90	1.022	-9.	2	20		
26216 DESO33 RESIDUA		20.	9.50	0.248	0.22	154.0	11.40	4.85	4.54	54.87	0.	-32.97	42.69	2.194	-139.	0	67		
26216 GTSO33 DISTILL		20.	1.00	0.185	0.22	16.1	1.19	0.51	0.98	17.54	0.	0.	20.22	1.039	-4.	0	66		
26216 GTSO33 DISTILL		20.	2.85	0.312	0.22	21.3	1.58	0.67	0.94	24.97	0.	-7.19	20.97	1.077	-9.	0	66		
26216 GTRA08 DISTILL		20.	1.00	0.170	0.22	18.6	1.38	0.59	1.04	17.86	0.	0.	20.86	1.072	-7.	0	63		
26216 GTRA08 DISTILL		20.	4.78	0.338	0.22	38.1	2.82	1.20	1.41	34.20	0.	-14.65	24.97	1.283	-29.	0	62		
26216 GTRA12 DISTILL		20.	1.00	0.175	0.22	18.7	1.39	0.59	1.04	17.76	0.	0.	20.78	1.068	-7.	0	64		
26216 GTRA12 DISTILL		20.	4.65	0.345	0.22	36.2	2.68	1.14	1.36	33.22	0.	-14.17	24.23	1.245	-26.	0	63		
26216 GTRA16 DISTILL		20.	1.00	0.176	0.22	19.3	1.43	0.61	1.06	17.73	0.	0.	20.83	1.070	-8.	0	65		
26216 GTRA16 DISTILL		20.	4.33	0.341	0.22	36.4	2.69	1.15	1.35	31.74	0.	-12.93	24.00	1.233	-25.	0	64		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS	FUEL	REQD	GEN/	/HEAT COST													
SYSTEM																			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUUE TOTAL NORML PRESNT ROI GROSS																	
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC													
		MW	REQD													WORTH	%	PAY	
																15%		BACK	
26217 FCSTCL COAL	31.	1.61	0.394	0.58	59.0	4.59	1.95	3.20	8.08	0.	-3.69	14.13	0.797	-15.	9			9	
26217 IGGTST COAL	31.	1.00	0.264	0.58	46.9	3.64	1.55	2.06	7.17	0.	0.	14.42	0.813	-10.	10			9	
26217 IGGTST COAL	31.	1.11	0.274	0.58	46.9	3.64	1.55	1.85	7.53	0.	-0.65	13.92	0.785	-8.	11			8	
26217 GTSOAR RESIDUA	31.	1.00	0.272	0.58	17.5	1.30	0.55	0.92	12.22	0.	0.	14.99	0.845	3.	19			5	
26217 GTSOAR RESIDUA	31.	1.17	0.288	0.58	17.8	1.32	0.56	0.79	13.19	0.	-1.04	14.82	0.835	3.	19			5	
26217 GTAC08 RESIDUA	31.	0.90	0.291	0.58	13.8	1.02	0.43	0.67	10.87	1.02	0.	14.01	0.790	8.	30			4	
26217 GTAC12 RESIDUA	31.	1.00	0.318	0.58	16.1	1.20	0.51	0.87	11.44	0.	0.	14.01	0.790	7.	25			4	
26217 GTAC12 RESIDUA	31.	1.13	0.333	0.58	16.2	1.20	0.51	0.74	12.05	0.	-0.76	13.73	0.774	8.	26			4	
26217 GTAC16 RESIDUA	31.	1.00	0.312	0.58	17.4	1.29	0.55	0.93	11.54	0.	0.	14.30	0.806	5.	22			5	
26217 GTAC16 RESIDUA	31.	1.28	0.341	0.58	18.5	1.37	0.58	0.81	12.93	0.	-1.70	13.99	0.788	6.	22			5	
26217 GTWC16 RESIDUA	31.	1.00	0.284	0.58	17.2	1.28	0.54	0.93	12.01	0.	0.	14.76	0.832	4.	20			5	
26217 GTWC16 RESIDUA	31.	1.33	0.315	0.58	18.4	1.36	0.58	0.81	13.82	0.	-2.03	14.54	0.820	4.	20			5	
26217 CC1626 RESIDUA	31.	1.00	0.279	0.58	18.1	1.38	0.59	1.10	12.09	0.	0.	15.15	0.854	2.	17			6	
26217 CC1626 RESIDUA	31.	2.03	0.349	0.58	24.1	1.83	0.78	1.12	17.77	0.	-6.26	15.24	0.859	-1.	13			7	
26217 CC1622 RESIDUA	31.	1.00	0.293	0.58	18.1	1.38	0.58	1.08	11.86	0.	0.	14.90	0.840	3.	18			6	
26217 CC1622 RESIDUA	31.	1.83	0.356	0.58	23.4	1.78	0.75	1.07	16.21	0.	-5.01	14.80	0.834	1.	15			6	
26217 CC1222 RESIDUA	31.	1.00	0.296	0.58	17.4	1.32	0.56	1.07	11.81	0.	0.	14.77	0.832	4.	20			5	
26217 CC1222 RESIDUA	31.	1.81	0.359	0.58	22.2	1.68	0.72	1.05	16.07	0.	-4.95	14.58	0.822	2.	16			6	
26217 CC0822 RESIDUA	31.	1.00	0.317	0.58	16.9	1.29	0.55	1.04	11.45	0.	0.	14.33	0.806	5.	22			5	
26217 CC0822 RESIDUA	31.	1.44	0.360	0.58	18.7	1.42	0.60	0.94	13.58	0.	-2.65	13.89	0.783	6.	22			5	
26217 STIG15 RESIDUA	31.	1.00	0.105	0.58	18.8	1.39	0.59	1.32	15.01	0.	0.	18.31	1.032	-8.	0			26	
26217 STIG15 RESIDUA	31.	50.22	0.171	0.58	396.0	29.33	12.47	24.36	430.17	0.	-298.87	197.46	11.130	-748.	0			58	
26217 STIG10 RESIDUA	31.	1.00	0.151	0.58	17.7	1.31	0.56	1.19	14.25	0.	0.	17.30	0.975	-4.	8			10	
26217 STIG10 RESIDUA	31.	4.64	0.218	0.58	44.5	3.30	1.40	2.46	42.21	0.	-22.13	27.24	1.535	-48.	0			62	
26217 STIG1S RESIDUA	31.	1.00	0.171	0.58	17.1	1.27	0.54	1.18	13.90	0.	0.	16.88	0.952	-3.	10			9	
26217 STIG1S RESIDUA	31.	2.72	0.228	0.58	27.0	2.00	0.85	1.64	26.53	0.	-10.47	20.55	1.158	-19.	0			78	
26217 DEADV3 RESIDUA	31.	1.00	0.210	0.58	26.7	1.97	0.84	1.29	13.25	0.	0.	17.35	0.978	-9.	6			12	
26217 DEADV3 RESIDUA	31.	3.10	0.286	0.58	64.6	4.79	2.04	2.16	27.28	0.	-12.76	23.50	1.325	-46.	0			121	
26217 DEHTPM RESIDUA	31.	1.00	0.313	0.58	27.4	2.03	0.86	1.31	11.53	0.	0.	15.73	0.887	-4.	11			8	
26217 DEHTPM RESIDUA	31.	1.31	0.345	0.58	32.4	2.40	1.02	1.29	13.05	0.	-1.87	15.90	0.896	-7.	10			9	
26217 DESOA3 DISTILL	31.	1.00	0.177	0.58	31.8	2.36	1.00	1.42	16.92	0.	0.	21.70	1.223	-25.	0			70	
26217 DESOA3 DISTILL	31.	3.62	0.248	0.58	92.8	6.88	2.92	2.90	40.09	0.	-15.90	36.89	2.080	-101.	0			62	
26217 DESOA3 RESIDUA	31.	1.00	0.177	0.58	31.8	2.36	1.00	1.42	13.80	0.	0.	18.58	1.047	-15.	2			21	
26217 DESOA3 RESIDUA	31.	3.62	0.248	0.58	92.8	6.88	2.92	2.90	32.71	0.	-15.90	29.51	1.663	-78.	0			73	
26217 GTSOAR DISTILL	31.	1.00	0.303	0.58	14.7	1.09	0.46	0.82	14.34	0.	0.	16.71	0.942	-1.	13			7	
26217 GTSOAR DISTILL	31.	1.09	0.312	0.58	14.4	1.07	0.45	0.70	14.88	0.	-0.52	16.58	0.935	-0.	14			7	
26217 GTRA08 DISTILL	31.	1.00	0.279	0.58	19.1	1.41	0.60	1.00	14.84	0.	0.	17.86	1.006	-7.	4			15	
26217 GTRA08 DISTILL	31.	1.82	0.338	0.58	24.3	1.80	0.77	0.98	20.39	0.	-4.98	18.96	1.069	-13.	0			999	
26217 GTRA12 DISTILL	31.	1.00	0.286	0.58	19.3	1.43	0.61	1.01	14.69	0.	0.	17.73	1.000	-6.	5			13	
26217 GTRA12 DISTILL	31.	1.77	0.345	0.58	24.5	1.81	0.77	0.99	19.80	0.	-4.69	18.68	1.053	-12.	0			999	
26217 GTRA16 DISTILL	31.	1.00	0.288	0.58	20.1	1.49	0.63	1.02	14.64	0.	0.	17.78	1.002	-7.	5			14	
26217 GTRA16 DISTILL	31.	1.65	0.341	0.58	24.6	1.82	0.78	0.98	18.92	0.	-3.95	18.55	1.046	-11.	0			26	
26217 GTR208 DISTILL	31.	1.00	0.288	0.58	17.7	1.31	0.56	0.95	14.65	0.	0.	17.46	0.984	-5.	7			11	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST			ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
26217 GTR212	DISTILL	31.	1.00	0.287	0.58	18.3	1.36	0.58	0.97	14.67	0.	0.	17.58	0.991	-5.	6	12		
26217 GTR212	DISTILL	31.	1.46	0.327	0.58	20.8	1.54	0.65	0.88	17.73	0.	-2.81	17.99	1.014	-8.	3	16		
26217 GTR216	DISTILL	31.	1.00	0.292	0.58	19.1	1.41	0.60	0.99	14.56	0.	0.	17.56	0.990	-6.	6	12		
26217 GTR216	DISTILL	31.	1.50	0.336	0.58	22.1	1.64	0.70	0.91	17.80	0.	-3.03	18.01	1.015	-9.	3	16		
26217 GTRW08	DISTILL	31.	1.00	0.235	0.58	19.0	1.41	0.60	1.02	15.74	0.	0.	18.77	1.058	-9.	0	999		
26217 GTRW08	DISTILL	31.	2.17	0.297	0.58	26.2	1.94	0.82	1.06	24.71	0.	-7.10	21.44	1.209	-21.	0	65		
26217 GTRW12	DISTILL	31.	1.00	0.252	0.58	19.0	1.41	0.60	1.01	15.39	0.	0.	18.41	1.038	-8.	0	999		
26217 GTRW12	DISTILL	31.	2.20	0.320	0.58	26.3	1.95	0.83	1.06	24.18	0.	-7.29	20.73	1.169	-19.	0	70		
26217 GTRW16	DISTILL	31.	1.00	0.256	0.58	19.5	1.45	0.61	1.02	15.31	0.	0.	18.39	1.037	-9.	0	29		
26217 GTRW16	DISTILL	31.	2.04	0.319	0.58	26.1	1.93	0.82	1.04	22.81	0.	-6.29	20.32	1.145	-18.	0	77		
26217 GTR308	DISTILL	31.	1.00	0.217	0.58	18.0	1.33	0.57	0.98	16.10	0.	0.	18.98	1.070	-10.	0	119		
26217 GTR308	DISTILL	31.	1.66	0.257	0.58	21.4	1.58	0.67	0.92	21.37	0.	-3.98	20.56	1.159	-16.	0	65		
26217 GTR312	DISTILL	31.	1.00	0.261	0.58	18.0	1.33	0.57	0.98	15.20	0.	0.	18.08	1.019	-7.	2	20		
26217 GTR312	DISTILL	31.	1.77	0.314	0.58	22.0	1.63	0.69	0.93	20.68	0.	-4.66	19.27	1.086	-12.	0	147		
26217 GTR316	DISTILL	31.	1.00	0.259	0.58	18.6	1.38	0.59	0.99	15.23	0.	0.	18.19	1.026	-7.	1	22		
26217 GTR316	DISTILL	31.	1.74	0.311	0.58	22.7	1.68	0.72	0.95	20.54	0.	-4.50	19.39	1.093	-13.	0	125		
26217 FCPADS	DISTILL	31.	1.00	0.198	0.58	24.9	1.84	0.78	3.95	16.49	0.	0.	23.07	1.300	-26.	0	64		
26217 FCPADS	DISTILL	31.	3.83	0.279	0.58	70.3	5.21	2.22	13.18	40.32	0.	-17.19	43.74	2.466	-113.	0	61		
26217 FCMCDS	DISTILL	31.	1.00	0.265	0.58	25.8	1.91	0.81	3.74	15.11	0.	0.	21.58	1.216	-22.	0	71		
26217 FCMCDS	DISTILL	31.	3.03	0.360	0.58	60.4	4.47	1.90	9.88	29.42	0.	-12.33	33.35	1.880	-76.	0	63		
26218 ONOCGN	RESIDUA	15.	0.	0.	0.21	7.0	0.52	0.22	0.49	8.77	4.85	0.	14.85	1.000	0.	0	0		
26218 STM141	RESIDUA	15.	0.91	0.204	0.21	11.2	0.85	0.36	0.71	10.45	0.41	0.	12.78	0.861	4.	30	4		
26218 STM141	COAL-FG	15.	0.91	0.204	0.21	22.9	1.74	0.74	1.44	6.07	0.41	0.	10.41	0.701	6.	21	5		
26218 STM141	COAL-AF	15.	0.91	0.204	0.21	16.8	1.27	0.54	1.29	6.07	0.41	0.	9.59	0.646	12.	32	3		
26218 STM088	RESIDUA	15.	0.65	0.145	0.21	10.0	0.76	0.32	0.67	9.97	1.70	0.	13.41	0.904	3.	29	4		
26218 STM088	COAL-FG	15.	0.65	0.145	0.21	21.1	1.60	0.68	1.36	5.79	1.70	0.	11.13	0.750	5.	20	5		
26218 STM088	COAL-AF	15.	0.65	0.145	0.21	15.8	1.20	0.51	1.25	5.79	1.70	0.	10.45	0.704	9.	31	4		
26218 PFBSTM	COAL-PF	15.	1.00	0.218	0.21	29.3	2.22	0.94	2.21	6.20	0.	0.	11.58	0.780	-1.	14	7		
26218 PFBSTM	COAL-PF	15.	1.52	0.280	0.21	27.8	2.11	0.90	2.12	6.78	0.	-1.52	10.39	0.700	4.	17	6		
26218 T1STMT	RESIDUA	15.	1.00	0.219	0.21	42.6	3.23	1.37	1.69	10.66	0.	0.	16.97	1.143	-24.	0	999		
26218 T1STMT	RESIDUA	15.	2.05	0.327	0.21	66.2	5.03	2.14	2.13	12.65	0.	-3.06	18.89	1.272	-41.	0	999		
26218 T1STMT	COAL	15.	1.00	0.219	0.21	59.9	4.54	1.93	2.67	6.19	0.	0.	15.34	1.033	-27.	4	15		
26218 T1STMT	COAL	15.	2.05	0.327	0.21	84.0	6.38	2.71	3.04	7.34	0.	-3.06	16.41	1.105	-42.	3	17		
26218 TIHRSG	RESIDUA	15.	1.00	0.162	0.21	57.9	4.29	1.82	1.88	11.44	0.	0.	19.44	1.309	-38.	0	194		
26218 TIHRSG	RESIDUA	15.	1.04	0.166	0.21	58.8	4.36	1.85	1.80	11.55	0.	-0.11	19.45	1.310	-39.	0	223		
26218 TIHRSG	COAL	15.	1.00	0.162	0.21	75.3	5.72	2.43	2.83	6.64	0.	0.	17.62	1.187	-42.	1	24		
26218 TIHRSG	COAL	15.	1.04	0.166	0.21	75.5	5.73	2.44	2.66	6.70	0.	-0.11	17.42	1.173	-41.	1	23		
26218 STIRL	DISTILL	15.	1.00	0.158	0.21	17.2	1.27	0.54	1.02	14.09	0.	0.	16.92	1.140	-11.	0	64		
26218 STIRL	DISTILL	15.	2.52	0.259	0.21	27.6	2.04	0.87	1.13	19.16	0.	-4.42	18.78	1.265	-22.	0	64		
26218 STIRL	RESIDUA	15.	1.00	0.158	0.21	17.2	1.28	0.54	1.02	11.50	0.	0.	14.33	0.965	-3.	8	10		
26218 STIRL	RESIDUA	15.	2.52	0.259	0.21	27.6	2.04	0.87	1.13	15.63	0.	-4.42	15.26	1.028	-11.	3	17		
26218 STIRL	COAL	15.	1.00	0.158	0.21	33.8	2.51	1.07	2.00	6.67	0.	0.	12.24	0.825	-5.	11	8		
26218 STIRL	COAL	15.	2.52	0.259	0.21	48.9	3.62	1.54	2.21	9.07	0.	-4.42	12.04	0.811	-11.	10	9		

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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER /HEAT COST	CAPITAL COST	CAPITAL TAXES	CANDM	FUEL	PURCHD ELEC	REVENUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY BACK				
SYSTEM		MW		RATIO *10**6		INSNC							15%						
26218 HEGT85 COAL-AF	15.	12.94	0.125	0.21	208.3	15.81	6.72	7.92	36.62	0.	-34.76	32.31	2.176	-152.	0	999			
26218 HEGT60 COAL-AF	15.	1.00	0.067	0.21	47.3	3.59	1.53	2.27	7.40	0.	0.	14.79	0.996	-19.	5	13			
26218 HEGT60 COAL-AF	15.	4.25	0.131	0.21	93.8	7.12	3.03	3.66	14.90	0.	-9.45	19.25	1.296	-56.	0	30			
26218 HEGT00 COAL-AF	15.	1.00	0.081	0.21	44.2	3.35	1.43	2.18	7.29	0.	0.	14.25	0.960	-16.	6	12			
26218 HEGT00 COAL-AF	15.	1.72	0.111	0.21	51.4	3.90	1.66	2.18	8.86	0.	-2.09	14.51	0.977	-20.	5	13			
26218 FCMCCL COAL	15.	1.00	0.191	0.21	42.1	3.27	1.39	2.37	6.42	0.	0.	13.45	0.906	-13.	8	10			
26218 FCMCCL COAL	15.	3.06	0.336	0.21	61.1	4.75	2.02	3.31	9.15	0.	-6.00	13.23	0.891	-22.	7	11			
26218 FCSTCL COAL	15.	1.00	0.198	0.21	41.0	3.19	1.36	2.37	6.36	0.	0.	13.28	0.894	-12.	8	10			
26218 FCSTCL COAL	15.	4.54	0.396	0.21	73.1	5.69	2.42	4.01	10.85	0.	-10.30	12.66	0.853	-26.	7	11			
26218 IGGTST COAL	15.	1.00	0.156	0.21	40.4	3.14	1.34	2.11	6.69	0.	0.	13.28	0.895	-12.	8	10			
26218 IGGTST COAL	15.	3.14	0.278	0.21	57.3	4.46	1.89	2.17	10.11	0.	-6.22	12.42	0.836	-17.	8	10			
26218 GTSOAR RESIDUA	15.	1.00	0.160	0.21	15.1	1.12	0.47	0.91	11.47	0.	0.	13.98	0.941	-1.	12	8			
26218 GTSOAR RESIDUA	15.	3.26	0.288	0.21	22.0	1.63	0.69	0.94	17.58	0.	-6.58	14.27	0.961	-5.	8	10			
26218 GTAC08 RESIDUA	15.	1.00	0.190	0.21	13.9	1.03	0.44	0.87	11.06	0.	0.	13.39	0.902	1.	18	6			
26218 GTAC08 RESIDUA	15.	2.50	0.310	0.21	17.1	1.26	0.54	0.79	14.49	0.	-4.37	12.71	0.856	2.	18	6			
26218 GTAC12 RESIDUA	15.	1.00	0.187	0.21	14.1	1.05	0.44	0.88	11.10	0.	0.	13.47	0.907	1.	17	6			
26218 GTAC12 RESIDUA	15.	3.13	0.333	0.21	20.2	1.50	0.64	0.88	16.06	0.	-6.21	12.67	0.867	-0.	15	7			
26218 GTAC16 RESIDUA	15.	1.00	0.184	0.21	14.6	1.08	0.46	0.89	11.15	0.	0.	13.53	0.915	0.	15	6			
26218 GTAC16 RESIDUA	15.	3.56	0.341	0.21	23.1	1.71	0.73	0.96	17.24	0.	-7.45	13.19	0.888	-2.	12	8			
26218 GTWC16 RESIDUA	15.	1.00	0.167	0.21	14.8	1.10	0.47	0.90	11.37	0.	0.	13.83	0.932	-1.	13	7			
26218 GTWC16 RESIDUA	15.	3.71	0.315	0.21	22.6	1.67	0.71	0.96	18.43	0.	-7.89	13.88	0.935	-4.	9	9			
26218 CC1626 RESIDUA	15.	1.00	0.165	0.21	14.9	1.13	0.48	1.00	11.41	0.	0.	14.02	0.944	-1.	12	8			
26218 CC1626 RESIDUA	15.	5.73	0.351	0.21	29.9	2.27	0.97	1.31	23.87	0.	-13.75	14.67	0.988	-11.	5	13			
26218 CC1622 RESIDUA	15.	1.00	0.173	0.21	14.7	1.11	0.47	0.99	11.30	0.	0.	13.87	0.934	-1.	13	7			
26218 CC1622 RESIDUA	15.	5.15	0.358	0.21	29.5	2.24	0.95	1.27	21.77	0.	-12.07	14.16	0.954	-9.	7	11			
26218 CC1222 RESIDUA	15.	1.00	0.175	0.21	14.3	1.08	0.46	0.98	11.27	0.	0.	13.80	0.930	-0.	14	7			
26218 CC1222 RESIDUA	15.	5.12	0.361	0.21	27.9	2.12	0.90	1.25	21.59	0.	-11.99	13.86	0.934	-7.	8	10			
26218 CC0822 RESIDUA	15.	1.00	0.187	0.21	14.4	1.09	0.46	0.98	11.10	0.	0.	13.64	0.919	0.	15	7			
26218 CC0822 RESIDUA	15.	4.06	0.363	0.21	23.3	1.77	0.75	1.10	18.24	0.	-8.91	12.95	0.873	-2.	12	7			
26218 STIG15 RESIDUA	15.	1.00	0.062	0.21	14.9	1.10	0.47	1.04	12.81	0.	0.	15.43	1.039	-6.	0	999			
26218 STIG15 RESIDUA	15.	139.72	0.171	0.21	520.8	38.57	16.40	32.03	573.57	0.	-403.69	256.88	17.302	-1002.	0	58			
26218 STIG10 RESIDUA	15.	1.00	0.089	0.21	14.3	1.06	0.45	0.98	12.45	0.	0.	14.95	1.007	-4.	4	15			
26218 STIG10 RESIDUA	15.	12.92	0.218	0.21	55.3	4.10	1.74	3.07	56.27	0.	-34.69	30.49	2.054	-72.	0	60			
26218 STIG1S RESIDUA	15.	1.00	0.101	0.21	14.1	1.04	0.44	0.98	12.28	0.	0.	14.75	0.994	-3.	6	12			
26218 STIG1S RESIDUA	15.	7.58	0.228	0.21	37.3	2.76	1.17	2.12	35.37	0.	-19.15	22.28	1.500	-38.	0	62			
26218 DEADV3 RESIDUA	15.	1.00	0.124	0.21	21.1	1.56	0.67	1.11	11.97	0.	0.	15.31	1.031	-8.	2	21			
26218 DEADV3 RESIDUA	15.	8.63	0.286	0.21	85.5	6.33	2.69	2.74	36.38	0.	-22.20	25.93	1.747	-72.	0	71			
26218 DEHTPM RESIDUA	15.	1.00	0.184	0.21	19.0	1.41	0.60	1.10	11.14	0.	0.	14.25	0.960	-4.	9	10			
26218 DEHTPM RESIDUA	15.	3.64	0.345	0.21	42.8	3.17	1.35	1.61	17.40	0.	-7.68	15.85	1.068	-20.	2	20			
26218 DESOA3 DISTILL	15.	1.00	0.104	0.21	20.9	1.55	0.66	1.11	15.00	0.	0.	18.30	1.233	-17.	0	61			
26218 DESOA3 DISTILL	15.	10.07	0.248	0.21	123.0	9.11	3.87	3.71	53.46	0.	-26.38	43.77	2.948	-145.	0	61			
26218 DESOA3 RESIDUA	15.	1.00	0.104	0.21	20.9	1.55	0.66	1.11	12.23	0.	0.	15.54	1.047	-9.	0	999			
26218 DESOA3 RESIDUA	15.	10.07	0.248	0.21	123.0	9.11	3.87	3.71	43.61	0.	-26.38	33.92	2.285	-114.	0	67			

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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST								WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC			ELEC				15%		BACK				
26218	GTSOAD	DISTILL	15.	3.02	0.312	0.21	17.9	1.33	0.56	0.82	19.84	0.	-5.89	16.67	1.123	-11.	0	67	
26218	GTRA08	DISTILL	15.	1.00	0.164	0.21	15.5	1.15	0.49	0.92	14.00	0.	0.	16.56	1.115	-9.	0	64	
26218	GTRA08	DISTILL	15.	5.06	0.338	0.21	32.2	2.38	1.01	1.22	27.18	0.	-11.82	19.98	1.346	-28.	0	63	
26218	GTRA12	DISTILL	15.	1.00	0.168	0.21	15.6	1.16	0.49	0.92	13.93	0.	0.	16.49	1.111	-9.	0	65	
26218	GTRA12	DISTILL	15.	4.93	0.345	0.21	30.4	2.25	0.96	1.17	26.40	0.	-11.44	19.35	1.304	-25.	0	64	
26218	GTRA16	DISTILL	15.	1.00	0.170	0.21	16.1	1.19	0.51	0.93	13.90	0.	0.	16.53	1.114	-10.	0	65	
26218	GTRA16	DISTILL	15.	4.59	0.341	0.21	30.6	2.26	0.96	1.17	25.22	0.	-10.45	19.17	1.291	-25.	0	65	
26218	GTR208	DISTILL	15.	1.00	0.169	0.21	14.9	1.10	0.47	0.90	13.91	0.	0.	16.38	1.104	-9.	0	65	
26218	GTR208	DISTILL	15.	3.79	0.321	0.21	23.8	1.77	0.75	0.99	22.73	0.	-8.13	18.10	1.219	-18.	0	64	
26218	GTR212	DISTILL	15.	1.00	0.169	0.21	15.2	1.13	0.48	0.91	13.92	0.	0.	16.44	1.107	-9.	0	65	
26218	GTR212	DISTILL	15.	4.07	0.327	0.21	25.7	1.91	0.81	1.04	23.64	0.	-8.93	18.47	1.244	-20.	0	64	
26218	GTR216	DISTILL	15.	1.00	0.172	0.21	15.6	1.15	0.49	0.92	13.86	0.	0.	16.42	1.106	-9.	0	66	
26218	GTR216	DISTILL	15.	4.17	0.336	0.21	27.5	2.04	0.87	1.09	23.74	0.	-9.23	18.49	1.246	-21.	0	65	
26218	GTRW08	DISTILL	15.	1.00	0.138	0.21	15.6	1.16	0.49	0.92	14.43	0.	0.	17.00	1.145	-11.	0	62	
26218	GTRW08	DISTILL	15.	6.03	0.297	0.21	32.1	2.38	1.01	1.25	32.95	0.	-14.65	22.95	1.546	-37.	0	59	
26218	GTRW12	DISTILL	15.	1.00	0.148	0.21	15.6	1.15	0.49	0.92	14.26	0.	0.	16.83	1.134	-10.	0	62	
26218	GTRW12	DISTILL	15.	6.12	0.320	0.21	32.3	2.40	1.02	1.25	32.24	0.	-14.90	22.01	1.482	-34.	0	60	
26218	GTRW16	DISTILL	15.	1.00	0.151	0.21	16.0	1.18	0.50	0.93	14.22	0.	0.	16.84	1.134	-10.	0	63	
26218	GTRW16	DISTILL	15.	5.66	0.319	0.21	32.0	2.37	1.01	1.23	30.41	0.	-13.57	21.45	1.445	-32.	0	61	
26218	GTR308	DISTILL	15.	1.00	0.128	0.21	15.0	1.11	0.47	0.91	14.60	0.	0.	17.10	1.152	-11.	0	61	
26218	GTR308	DISTILL	15.	4.61	0.257	0.21	26.4	1.95	0.83	1.08	28.49	0.	-10.50	21.86	1.473	-31.	0	59	
26218	GTR312	DISTILL	15.	1.00	0.154	0.21	15.1	1.12	0.47	0.91	14.17	0.	0.	16.67	1.123	-10.	0	63	
26218	GTR312	DISTILL	15.	4.92	0.314	0.21	27.0	2.00	0.85	1.10	27.58	0.	-11.41	20.12	1.355	-26.	0	61	
26218	GTR316	DISTILL	15.	1.00	0.153	0.21	15.5	1.15	0.49	0.92	14.19	0.	0.	16.74	1.127	-10.	0	63	
26218	GTR316	DISTILL	15.	4.84	0.311	0.21	27.9	2.07	0.88	1.12	27.39	0.	-11.18	20.27	1.365	-27.	0	61	
26218	FCPADS	DISTILL	15.	1.00	0.117	0.21	17.6	1.30	0.55	2.26	14.79	0.	0.	18.90	1.273	-18.	0	60	
26218	FCPADS	DISTILL	15.	10.66	0.279	0.21	93.0	6.89	2.93	17.50	53.76	0.	-28.10	52.97	3.568	-162.	0	60	
26218	FCMCDS	DISTILL	15.	1.00	0.156	0.21	18.1	1.34	0.57	2.16	14.13	0.	0.	18.20	1.226	-16.	0	62	
26218	FCMCDS	DISTILL	15.	8.43	0.360	0.21	80.0	5.93	2.52	13.12	39.23	0.	-21.62	39.17	2.638	-112.	0	62	
28001	ONOCGN	RESIDUA	33.	0.	0.	0.10	33.7	2.49	1.06	1.35	41.24	10.96	0.	57.11	1.000	0.	0	0	
28001	STM141	RESIDUA	33.	1.00	0.132	0.10	38.4	2.91	1.24	1.92	45.40	0.	0.	51.47	0.901	15.	54	2	
28001	STM141	RESIDUA	33.	1.80	0.203	0.10	39.8	3.02	1.29	1.66	48.72	0.	-5.25	49.44	0.866	21.	58	2	
28001	STM141	COAL-FG	33.	1.00	0.132	0.10	77.7	5.90	2.51	4.40	26.36	0.	0.	39.17	0.696	34.	27	4	
28001	STM141	COAL-FG	33.	1.80	0.203	0.10	76.0	5.77	2.45	4.00	28.29	0.	-5.25	35.26	0.617	48.	32	4	
28001	STM141	COAL-AF	33.	1.00	0.132	0.10	62.9	4.77	2.03	4.17	26.36	0.	0.	37.33	0.654	47.	39	3	
28001	STM141	COAL-AF	33.	1.80	0.203	0.10	58.1	4.41	1.87	3.88	29.29	0.	-5.25	33.19	0.581	63.	51	2	
28001	STM088	RESIDUA	33.	1.00	0.132	0.10	36.8	2.79	1.19	1.84	45.40	0.	0.	51.22	0.897	17.	75	2	
28001	STM088	RESIDUA	33.	1.26	0.157	0.10	36.2	2.75	1.17	1.56	46.46	0.	-1.68	50.26	0.880	20.	99	1	
28001	STM088	COAL-FG	33.	1.00	0.132	0.10	76.6	5.82	2.47	4.27	26.36	0.	0.	38.92	0.681	36.	27	4	
28001	STM088	COAL-FG	33.	1.26	0.157	0.10	71.1	5.40	2.29	3.72	26.98	0.	-1.68	36.71	0.643	45.	33	3	
28001	STM088	COAL-AF	33.	1.00	0.132	0.10	58.9	4.47	1.90	4.12	26.36	0.	0.	36.85	0.645	51.	44	3	
28001	STM088	COAL-AF	33.	1.26	0.157	0.10	56.1	4.26	1.81	3.74	26.93	0.	-1.68	35.10	0.615	58.	51	2	
28001	PERSTM	COAL-RE	33.	1.00	0.128	0.10	78.2	5.93	2.52	5.20	26.46	0.	0.	40.11	0.702	31.	25	4	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES	GEN/	/HEAT COST															
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
28001 TISTMT RESIDUA	33.	1.00	0.129	0.10	92.1	6.39	2.97	3.26	45.52	0.	0.	-58.73	1.023	-34.	2	19			
28001 TISTMT RESIDUA	33.	4.14	0.322	0.10	205.8	15.62	6.64	5.95	58.94	0.	-20.65	66.50	1.164	-112.	0	999			
28001 TISTMT COAL	33.	1.00	0.129	0.10	134.1	10.18	4.33	5.74	26.43	0.	0.	46.67	0.817	-16.	12	8			
28001 TISTMT COAL	33.	4.14	0.322	0.10	258.9	19.65	8.35	8.74	34.22	0.	-20.65	50.32	0.881	-87.	7	11			
28001 TIHRSG RESIDUA	33.	1.00	0.096	0.10	117.4	8.69	3.70	3.79	47.28	0.	0.	63.45	1.111	-59.	0	999			
28001 TIHRSG RESIDUA	33.	2.16	0.166	0.10	184.9	13.69	5.82	5.19	54.28	0.	-7.64	71.35	1.249	-115.	0	138			
28001 TIHRSG COAL	33.	1.00	0.096	0.10	166.7	12.65	5.38	6.52	27.45	0.	0.	52.00	0.911	-48.	8	10			
28001 TIHRSG COAL	33.	2.16	0.166	0.10	234.8	17.81	7.57	7.90	31.52	0.	-7.64	57.17	1.001	-97.	5	13			
28001 STIRL DISTILL	33.	1.00	0.094	0.10	55.1	4.08	1.74	2.28	58.10	0.	0.	66.19	1.159	-39.	0	58			
28001 STIRL DISTILL	33.	5.24	0.259	0.10	117.8	8.73	3.71	3.71	90.07	0.	-27.87	78.34	1.372	-106.	0	61			
28001 STIRL RESIDUA	33.	1.00	0.094	0.10	55.1	4.08	1.74	2.28	47.39	0.	0.	55.49	0.972	-5.	10	9			
28001 STIRL RESIDUA	33.	5.24	0.259	0.10	118.0	8.74	3.71	3.71	73.48	0.	-27.87	61.77	1.082	-54.	0	999			
28001 STIRL COAL	33.	1.00	0.094	0.10	97.7	7.24	3.08	4.82	27.52	0.	0.	42.66	0.747	15.	18	5			
28001 STIRL COAL	33.	5.24	0.259	0.10	210.4	15.58	6.62	7.92	42.66	0.	-27.87	44.92	0.787	-45.	10	9			
28001 HEGT85 COAL-AF	33.	1.00	0.030	0.10	111.6	8.47	3.60	5.13	29.45	0.	0.	46.65	0.817	-5.	13	7			
28001 HEGT85 COAL-AF	33.	26.93	0.125	0.10	833.7	63.27	26.90	31.64	172.16	0.	-170.51	123.45	2.162	-593.	0	999			
28001 HEGT60 COAL-AF	33.	1.00	0.039	0.10	108.5	8.23	3.50	5.08	29.16	0.	0.	45.98	0.805	-2.	14	7			
28001 HEGT60 COAL-AF	33.	8.84	0.131	0.10	272.1	20.64	8.78	11.55	70.04	0.	-51.55	59.45	1.041	-123.	4	15			
28001 HEGT00 COAL-AF	33.	1.00	0.048	0.10	104.3	7.92	3.37	5.05	28.91	0.	0.	45.24	0.792	3.	15	6			
28001 HEGT00 COAL-AF	33.	3.57	0.111	0.10	149.4	11.33	4.82	6.75	41.68	0.	-16.93	47.65	0.834	-27.	10	8			
28001 FCMCCL COAL	33.	1.00	0.113	0.10	106.7	8.29	3.53	5.55	26.94	0.	0.	44.30	0.776	3.	15	6			
28001 FCMCCL COAL	33.	6.37	0.336	0.10	183.4	14.26	6.06	11.53	43.00	0.	-35.31	39.54	0.692	-20.	12	8			
28001 FCSTCL COAL	33.	1.00	0.117	0.10	104.7	8.14	3.46	5.45	26.82	0.	0.	43.66	0.768	6.	16	6			
28001 FCSTCL COAL	33.	9.28	0.394	0.10	217.9	16.94	7.20	13.72	50.56	0.	-54.42	34.00	0.595	-20.	13	7			
28001 IGGTST COAL	33.	1.00	0.092	0.10	99.6	7.74	3.29	4.65	27.58	0.	0.	43.27	0.758	10.	17	6			
28001 IGGTST COAL	33.	6.38	0.274	0.10	178.8	13.90	5.91	5.63	47.11	0.	-35.38	37.17	0.651	-10.	14	7			
28001 GTSOAR RESIDUA	33.	1.00	0.094	0.10	48.8	3.62	1.54	2.04	47.35	0.	0.	54.54	0.955	1.	16	6			
28001 GTSOAR RESIDUA	33.	6.78	0.288	0.10	88.6	6.56	2.79	2.88	82.67	0.	-38.03	56.87	0.996	-25.	5	13			
28001 GTAC08 RESIDUA	33.	1.00	0.112	0.10	43.5	3.22	1.37	1.91	46.41	0.	0.	52.90	0.926	9.	29	4			
28001 GTAC08 RESIDUA	33.	5.20	0.310	0.10	64.0	4.74	2.02	2.22	68.13	0.	-27.65	49.45	0.866	10.	20	5			
28001 GTAC12 RESIDUA	33.	1.00	0.111	0.10	47.6	3.53	1.50	2.00	46.50	0.	0.	53.53	0.937	5.	20	5			
28001 GTAC12 RESIDUA	33.	6.52	0.333	0.10	77.1	5.71	2.43	2.57	75.52	0.	-36.28	49.94	0.875	2.	15	6			
28001 GTAC16 RESIDUA	33.	1.00	0.108	0.10	48.5	3.60	1.53	2.02	46.62	0.	0.	53.76	0.941	3.	18	5			
28001 GTAC16 RESIDUA	33.	7.41	0.341	0.10	88.3	6.54	2.78	2.86	81.06	0.	-42.14	51.10	0.895	-7.	12	7			
28001 GTWC16 RESIDUA	33.	1.00	0.099	0.10	48.3	3.58	1.52	2.02	47.12	0.	0.	54.24	0.950	2.	17	6			
28001 GTWC16 RESIDUA	33.	7.72	0.315	0.10	82.4	6.11	2.60	2.73	86.63	0.	-44.20	53.87	0.943	-13.	10	9			
28001 CC1626 RESIDUA	33.	1.00	0.097	0.10	48.3	3.66	1.56	2.12	47.21	0.	0.	54.55	0.955	1.	15	6			
28001 CC1626 RESIDUA	33.	11.72	0.348	0.10	108.3	8.22	3.49	3.66	111.24	0.	-70.51	56.10	0.932	-33.	6	12			
28001 CC1622 RESIDUA	33.	1.00	0.102	0.10	48.3	3.67	1.56	2.12	46.96	0.	0.	54.30	0.951	1.	16	6			
28001 CC1622 RESIDUA	33.	10.53	0.356	0.10	114.1	8.66	3.68	3.68	101.48	0.	-62.69	54.81	0.960	-32.	7	11			
28001 CC1222 RESIDUA	33.	1.00	0.103	0.10	47.6	3.61	1.54	2.11	46.91	0.	0.	54.17	0.948	2.	17	6			
28001 CC1222 RESIDUA	33.	10.47	0.359	0.10	106.4	8.08	3.43	3.57	100.60	0.	-62.29	53.39	0.935	-24.	9	10			
28001 CC0022 RESIDUA	33.	1.00	0.110	0.10	47.3	3.59	1.53	2.10	46.52	0.	0.	53.74	0.941	4.	19	5			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	CRSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC							WORTH	%	PAY	BACK
		MW	REQD													15%			
28001 STIG15 RESIDUA	33.	1.00	0.037	0.10	48.5	3.59	1.53	2.31	50.38	0.	0.	57.81	1.012	-9.	0	23			
28001 STIG15 RESIDUA	33.	290.72	0.171	0.10	2270.3	168.16	71.49	142.09	2696.57	0.	*****1173.32	20.545	-4557.	0	58				
28001 STIG10 RESIDUA	33.	1.00	0.052	0.10	47.5	3.52	1.50	2.19	49.55	0.	0.	56.75	0.994	-5.	7	11			
28001 STIG10 RESIDUA	33.	26.88	0.218	0.10	222.1	16.45	6.99	11.72	264.57	0.	-170.19	129.54	2.268	-316.	0	59			
28001 STIG15 RESIDUA	33.	1.00	0.060	0.10	47.0	3.48	1.48	2.20	49.17	0.	0.	56.33	0.986	-4.	9	9			
28001 STIG15 RESIDUA	33.	15.77	0.228	0.10	136.2	10.09	4.29	7.50	166.30	0.	-97.14	91.03	1.594	-155.	0	60			
28001 DEADV3 RESIDUA	33.	1.00	0.073	0.10	60.7	4.50	1.91	2.39	48.47	0.	0.	57.26	1.003	-13.	4	14			
28001 DEADV3 RESIDUA	33.	17.95	0.286	0.10	352.1	26.08	11.09	9.83	171.02	0.	-111.46	106.54	1.866	-304.	0	63			
28001 DEHTPM RESIDUA	33.	1.00	0.109	0.10	62.2	4.61	1.96	2.49	46.60	0.	0.	55.66	0.975	-9.	9	10			
28001 DEHTPM RESIDUA	33.	7.57	0.345	0.10	185.2	13.71	5.83	5.55	81.82	0.	-43.21	63.71	1.116	-92.	0	27			
28001 DESOA3 DISTILL	33.	1.00	0.062	0.10	66.0	4.89	2.08	2.52	60.14	0.	0.	69.63	1.219	-54.	0	59			
28001 DESOA3 DISTILL	33.	20.94	0.248	0.10	516.0	38.22	16.25	14.00	251.32	0.	-131.13	188.65	3.303	-638.	0	60			
28001 DESOA3 RESIDUA	33.	1.00	0.062	0.10	66.0	4.89	2.08	2.52	49.06	0.	0.	58.55	1.025	-20.	0	27			
28001 DESOA3 RESIDUA	33.	20.94	0.248	0.10	516.0	38.22	16.25	14.00	205.02	0.	-131.13	142.36	2.493	-493.	0	65			
28001 GTSCAD DISTILL	33.	1.00	0.105	0.10	46.2	3.42	1.45	1.97	57.35	0.	0.	64.20	1.124	-28.	0	58			
28001 GTSCAD DISTILL	33.	6.29	0.312	0.10	67.3	4.99	2.12	2.33	93.30	0.	-34.77	67.95	1.190	-50.	0	59			
28001 GTRA08 DISTILL	33.	1.00	0.097	0.10	49.8	3.69	1.57	2.05	57.89	0.	0.	65.20	1.142	-33.	0	58			
28001 GTRA08 DISTILL	33.	10.53	0.338	0.10	126.2	9.35	3.97	3.87	127.80	0.	-62.67	82.32	1.441	-122.	0	60			
28001 GTRA12 DISTILL	33.	1.00	0.099	0.10	50.1	3.71	1.58	2.06	57.73	0.	0.	65.07	1.139	-33.	0	58			
28001 GTRA12 DISTILL	33.	10.26	0.345	0.10	123.2	9.12	3.88	3.79	124.12	0.	-60.87	80.04	1.402	-114.	0	61			
28001 GTRA16 DISTILL	33.	1.00	0.100	0.10	51.0	3.77	1.60	2.08	57.67	0.	0.	65.13	1.141	-33.	0	58			
28001 GTRA16 DISTILL	33.	9.55	0.341	0.10	123.7	9.16	3.90	3.79	118.58	0.	-56.24	79.19	1.387	-111.	0	61			
28001 GTR208 DISTILL	33.	1.00	0.100	0.10	48.7	3.61	1.53	2.03	57.69	0.	0.	64.86	1.136	-31.	0	58			
28001 GTR208 DISTILL	33.	7.89	0.321	0.10	96.3	7.14	3.03	3.08	106.87	0.	-45.33	74.79	1.310	-85.	0	60			
28001 GTR212 DISTILL	33.	1.00	0.100	0.10	49.3	3.65	1.55	2.04	57.71	0.	0.	64.96	1.137	-32.	0	58			
28001 GTR212 DISTILL	33.	8.47	0.327	0.10	104.0	7.70	3.27	3.28	111.14	0.	-49.10	76.30	1.336	-93.	0	60			
28001 GTR216 DISTILL	33.	1.00	0.102	0.10	50.1	3.71	1.58	2.06	57.59	0.	0.	64.93	1.137	-32.	0	58			
28001 GTR216 DISTILL	33.	8.68	0.336	0.10	111.7	8.27	3.52	3.48	111.60	0.	-50.51	76.35	1.337	-97.	0	61			
28001 GTRW08 DISTILL	33.	1.00	0.081	0.10	49.7	3.68	1.56	2.05	58.87	0.	0.	66.16	1.158	-36.	0	58			
28001 GTRW08 DISTILL	33.	12.55	0.297	0.10	127.2	9.42	4.00	3.95	154.93	0.	-75.97	96.33	1.687	-167.	0	58			
28001 GTRW12 DISTILL	33.	1.00	0.087	0.10	49.6	3.68	1.56	2.05	58.49	0.	0.	65.77	1.152	-35.	0	58			
28001 GTRW12 DISTILL	33.	12.74	0.320	0.10	128.0	9.48	4.03	3.97	151.58	0.	-77.17	91.89	1.609	-153.	0	59			
28001 GTRW16 DISTILL	33.	1.00	0.089	0.10	50.2	3.72	1.58	2.06	58.40	0.	0.	65.76	1.151	-35.	0	58			
28001 GTRW16 DISTILL	33.	11.78	0.319	0.10	126.6	9.38	3.99	3.91	142.96	0.	-70.89	89.35	1.564	-145.	0	59			
28001 GTR308 DISTILL	33.	1.00	0.075	0.10	48.8	3.61	1.54	2.04	59.25	0.	0.	66.44	1.163	-36.	0	57			
28001 GTR308 DISTILL	33.	9.59	0.257	0.10	96.1	7.12	3.03	3.13	133.95	0.	-56.45	90.78	1.590	-135.	0	58			
28001 GTR312 DISTILL	33.	1.00	0.091	0.10	48.7	3.61	1.53	2.03	58.28	0.	0.	65.45	1.146	-33.	0	58			
28001 GTR312 DISTILL	33.	10.24	0.314	0.10	100.8	7.46	3.17	3.24	129.65	0.	-60.73	82.80	1.450	-112.	0	59			
28001 GTR316 DISTILL	33.	1.00	0.090	0.10	49.4	3.66	1.56	2.04	58.32	0.	0.	65.57	1.148	-34.	0	58			
28001 GTR316 DISTILL	33.	10.08	0.311	0.10	103.5	7.67	3.26	3.31	128.76	0.	-59.68	83.32	1.459	-115.	0	59			
28001 FCPADS DISTILL	33.	1.00	0.069	0.10	58.8	4.35	1.85	5.29	59.67	0.	0.	71.16	1.246	-56.	0	58			
28001 FCPADS DISTILL	33.	22.17	0.279	0.10	379.9	28.14	11.96	80.02	252.77	0.	-139.22	233.68	4.092	-726.	0	60			
28001 FCMCDS DISTILL	33.	1.00	0.092	0.10	59.8	4.43	1.88	5.08	58.19	0.	0.	69.57	1.218	-52.	0	59			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100										
*****[LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)]*****																				
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES GANDM FUEL PURCHD REVENUE TOTAL NORML PRESNT ROI GROSS																		
SYSTEM	FUEL	REQD	GEN/	/HEAT COST																
		MW	REQD	RATIO *10**6	INSNC															
28002 ONOCGN RESIDUA	77.	0.	0.	0.25	32.9	2.43	1.04	1.33	39.52	26.03	0.	70.35	1.000	0.	0	0				
28002 STM141 RESIDUA	77.	0.73	0.181	0.25	38.7	2.93	1.25	1.63	46.68	7.14	0.	59.63	0.848	30.	31	2				
28002 STM141 COAL-FG	77.	0.73	0.181	0.25	73.8	5.60	2.38	3.88	27.11	7.14	0.	46.11	0.656	56.	35	3				
28002 STM141 COAL-AF	77.	0.73	0.181	0.25	56.6	4.29	1.82	3.76	27.11	7.14	0.	44.13	0.627	70.	57	2				
28002 STM088 RESIDUA	77.	0.51	0.126	0.25	35.1	2.67	1.13	1.53	44.52	12.84	0.	62.69	0.891	22.	119	1				
28002 STM088 COAL-FG	77.	0.51	0.126	0.25	69.0	5.24	2.23	3.61	25.85	12.84	0.	49.77	0.708	47.	31	3				
28002 STM088 COAL-AF	77.	0.51	0.126	0.25	54.6	4.14	1.76	3.63	25.85	12.84	0.	48.23	0.686	58.	53	2				
28002 PFBSTM COAL-PF	77.	1.00	0.243	0.25	77.6	5.89	2.50	6.53	28.92	0.	0.	43.84	0.623	61.	35	3				
28002 PFBSTM COAL-PF	77.	1.23	0.274	0.25	73.0	5.54	2.36	6.58	30.32	0.	-3.66	41.14	0.565	71.	41	3				
28002 TISTMT RESIDUA	77.	1.00	0.245	0.25	146.6	11.13	4.73	4.70	49.67	0.	0.	70.22	0.998	-55.	5	13				
28002 TISTMT RESIDUA	77.	1.67	0.322	0.25	199.1	15.11	6.42	5.77	56.48	0.	-10.47	73.30	1.042	-89.	3	16				
28002 TISTMT COAL	77.	1.00	0.245	0.25	191.8	14.56	6.19	7.32	28.84	0.	0.	56.91	0.809	-35.	11	8				
28002 TISTMT COAL	77.	1.67	0.322	0.25	250.4	19.01	8.08	8.47	32.79	0.	-10.47	57.88	0.823	-66.	9	9				
28002 TIHRSG RESIDUA	77.	0.87	0.158	0.25	178.8	13.24	5.63	5.03	52.01	3.34	0.	79.25	1.127	-96.	0	999				
28002 TIHRSG COAL	77.	0.87	0.158	0.25	227.1	17.23	7.33	7.65	30.20	3.34	0.	65.74	0.935	-79.	7	11				
28002 STIRL DISTILL	77.	1.00	0.177	0.25	74.4	5.51	2.34	2.84	66.36	0.	0.	77.06	1.095	-41.	0	68				
28002 STIRL DISTILL	77.	2.11	0.259	0.25	113.0	8.37	3.56	3.57	86.30	0.	-17.39	84.42	1.200	-82.	0	65				
28002 STIRL RESIDUA	77.	1.00	0.177	0.25	74.5	5.52	2.35	2.85	54.13	0.	0.	64.84	0.922	-2.	13	7				
28002 STIRL RESIDUA	77.	2.11	0.259	0.25	113.2	8.38	3.56	3.58	70.40	0.	-17.39	68.54	0.974	-32.	7	11				
28002 STIRL COAL	77.	1.00	0.177	0.25	129.1	9.56	4.07	5.87	31.43	0.	0.	50.93	0.724	15.	17	6				
28002 STIRL COAL	77.	2.11	0.259	0.25	201.7	14.94	6.35	7.62	40.88	0.	-17.39	52.41	0.745	-23.	12	8				
28002 HEGT85 COAL-AF	77.	1.00	0.057	0.25	157.8	11.97	5.09	6.80	36.02	0.	0.	59.87	0.851	-28.	11	8				
28002 HEGT85 COAL-AF	77.	10.86	0.125	0.25	808.8	61.38	26.09	30.59	164.96	0.	-154.06	128.96	1.833	-557.	0	999				
28002 HEGT60 COAL-AF	77.	1.00	0.075	0.25	149.9	11.38	4.84	6.63	35.33	0.	0.	58.17	0.827	-19.	12	8				
28002 HEGT60 COAL-AF	77.	3.57	0.131	0.25	263.9	20.03	8.52	11.17	67.11	0.	-40.08	66.74	0.949	-100.	6	12				
28002 HEGT00 COAL-AF	77.	1.00	0.090	0.25	130.9	9.93	4.22	6.22	34.73	0.	0.	55.10	0.783	0.	15	7				
28002 HEGT00 COAL-AF	77.	1.44	0.111	0.25	144.9	11.00	4.68	6.53	39.93	0.	-6.90	55.23	0.785	-7.	14	7				
28002 FCMCCL COAL	77.	1.00	0.213	0.25	134.2	10.43	4.43	7.40	30.05	0.	0.	52.32	0.744	5.	15	6				
28002 FCMCCL COAL	77.	2.57	0.336	0.25	177.8	13.82	5.88	11.12	41.20	0.	-24.52	47.50	0.675	-1.	14	7				
28002 FCSTCL COAL	77.	1.00	0.220	0.25	131.8	10.25	4.36	7.14	29.76	0.	0.	51.50	0.732	9.	16	6				
28002 FCSTCL COAL	77.	3.74	0.394	0.25	211.2	16.42	6.98	13.23	48.45	0.	-42.83	42.25	0.601	-1.	14	7				
28002 IGGTST COAL	77.	1.00	0.173	0.25	125.3	9.74	4.14	5.19	31.57	0.	0.	50.65	0.720	15.	17	6				
28002 IGGTST COAL	77.	2.57	0.274	0.25	169.7	13.19	5.61	5.39	45.14	0.	-24.59	44.75	0.636	12.	16	6				
28002 GTSCAR RESIDUA	77.	1.00	0.178	0.25	56.5	4.19	1.78	2.30	54.02	0.	0.	62.29	0.886	14.	24	4				
28002 GTSCAR RESIDUA	77.	2.74	0.288	0.25	85.9	6.36	2.70	2.80	79.21	0.	-27.12	63.96	0.909	-5.	13	7				
28002 GTAC08 RESIDUA	77.	1.00	0.212	0.25	49.5	3.67	1.56	2.11	51.79	0.	0.	59.13	0.841	27.	40	3				
28002 GTAC08 RESIDUA	77.	2.10	0.310	0.25	62.0	4.59	1.95	2.16	65.28	0.	-17.17	56.81	0.808	29.	30	4				
28002 GTAC12 RESIDUA	77.	1.00	0.209	0.25	52.8	3.91	1.66	2.20	52.01	0.	0.	59.78	0.850	24.	34	3				
28002 GTAC12 RESIDUA	77.	2.63	0.333	0.25	74.6	5.52	2.35	2.49	72.36	0.	-25.45	57.28	0.874	21.	23	5				
28002 GTAC16 RESIDUA	77.	1.00	0.205	0.25	54.9	4.06	1.73	2.25	52.28	0.	0.	60.33	0.858	21.	30	4				
28002 GTAC16 RESIDUA	77.	2.99	0.341	0.25	85.4	6.32	2.69	2.78	77.67	0.	-31.06	58.40	0.830	13.	19	5				
28002 GTWC16 RESIDUA	77.	1.00	0.187	0.25	53.0	3.93	1.67	2.21	53.48	0.	0.	61.29	0.871	19.	30	4				
28002 GTWC16 RESIDUA	77.	3.11	0.315	0.25	79.9	5.92	2.52	2.66	83.01	0.	-33.03	61.07	0.868	7.	17	6				

ONEYWELL PAGE PRINTING SYSTEM - P1185-02

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100										
*****LEVELED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																				
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVENUE TOTAL NORML PRESNT ROI GROSS	FUEL		REQD		GEN/		/HEAT COST		+		ELEC		WORTH		%		PAY	
SYSTEM	FUEL	MW	REQD	GEN/	REQD	RATIO *10**6	INSNC								15%				BACK	
28002 CC1626 RESIDUA	77.	4.73	0.348	0.25	102.7	7.79	3.31	3.50	106.58	0.	-58.24	62.94	0.895	-11.	12	8				
28002 CC1622 RESIDUA	77.	1.00	0.192	0.25	55.3	4.20	1.78	2.38	53.10	0.	0.	61.46	0.874	17.	26	4				
28002 CC1622 RESIDUA	77.	4.25	0.356	0.25	110.3	8.37	3.56	3.58	97.24	0.	-50.75	61.99	0.881	-11.	12	8				
28002 CC1222 RESIDUA	77.	1.00	0.194	0.25	53.8	4.09	1.74	2.36	52.98	0.	0.	61.16	0.869	18.	28	4				
28002 CC1222 RESIDUA	77.	4.22	0.359	0.25	99.2	7.53	3.20	3.38	96.39	0.	-50.37	60.14	0.855	-0.	14	7				
28002 CC0822 RESIDUA	77.	1.00	0.208	0.25	52.3	3.97	1.69	2.32	52.06	0.	0.	60.04	0.853	23.	32	3				
28002 CC0822 RESIDUA	77.	3.34	0.360	0.25	81.0	6.15	2.61	2.87	81.46	0.	-36.61	56.48	0.803	20.	21	5				
28002 STIG15 RESIDUA	77.	1.00	0.069	0.25	59.0	4.37	1.86	3.07	61.21	0.	0.	70.51	1.002	-13.	4	15				
28002 STIG15 RESIDUA	77.	117.27	0.171	0.25	2177.7	161.30	68.58	136.27	2583.80	0.	*****1133.93	16.120	-4348.		0	58				
28002 STIG10 RESIDUA	77.	1.00	0.099	0.25	56.8	4.21	1.79	2.79	59.25	0.	0.	68.03	0.967	-4.	11	8				
28002 STIG10 RESIDUA	77.	10.84	0.218	0.25	214.0	15.85	6.74	11.29	253.50	0.	-153.76	133.62	1.899	-284.	0	59				
28002 STIG1S RESIDUA	77.	1.00	0.113	0.25	52.4	3.86	1.65	2.71	58.35	0.	0.	66.58	0.947	3.	17	6				
28002 STIG1S RESIDUA	77.	6.36	0.228	0.25	137.7	10.20	4.34	7.39	159.34	0.	-83.76	97.51	1.386	-135.	0	61				
28002 DEADV3 RESIDUA	77.	1.00	0.138	0.25	86.3	6.39	2.72	3.14	56.69	0.	0.	68.93	0.980	-21.	7	11				
28002 DEADV3 RESIDUA	77.	7.24	0.286	0.25	337.6	25.01	10.63	9.46	163.87	0.	-97.49	111.46	1.585	-272.	0	73				
28002 DEHTPM RESIDUA	77.	1.00	0.205	0.25	86.4	6.40	2.72	3.21	52.25	0.	0.	64.58	0.918	-7.	12	8				
28002 DEHTPM RESIDUA	77.	3.05	0.345	0.25	177.5	13.15	5.59	5.35	78.40	0.	-32.08	70.40	1.001	-68.	5	13				
28002 DESO33 DISTILL	77.	1.00	0.116	0.25	98.9	7.32	3.11	3.46	71.21	0.	0.	85.10	1.210	-77.	0	62				
28002 DESO33 DISTILL	77.	8.45	0.248	0.25	494.7	36.64	15.58	13.45	240.81	0.	-116.33	190.15	2.703	-592.	0	61				
28002 DESO33 RESIDUA	77.	1.00	0.116	0.25	98.9	7.32	3.11	3.46	58.09	0.	0.	71.99	1.023	-36.	2	19				
28002 DESO33 RESIDUA	77.	8.45	0.248	0.25	494.7	36.64	15.58	13.45	196.45	0.	-116.33	145.79	2.072	-453.	0	67				
28002 GTSO3D DISTILL	77.	1.00	0.199	0.25	49.5	3.67	1.56	2.12	64.58	0.	0.	71.93	1.023	-13.	0	172				
28002 GTSO3D DISTILL	77.	2.54	0.312	0.25	65.2	4.83	2.05	2.26	89.39	0.	-24.00	74.53	1.060	-28.	0	75				
28002 GTRA08 DISTILL	77.	1.00	0.183	0.25	58.8	4.35	1.85	2.35	65.86	0.	0.	74.42	1.058	-25.	0	69				
28002 GTRA08 DISTILL	77.	4.25	0.338	0.25	122.3	9.06	3.85	3.77	122.45	0.	-50.74	88.39	1.257	-98.	0	63				
28002 GTRA12 DISTILL	77.	1.00	0.188	0.25	57.5	4.26	1.81	2.32	65.48	0.	0.	73.87	1.050	-23.	0	72				
28002 GTRA12 DISTILL	77.	4.14	0.345	0.25	119.3	8.83	3.76	3.68	118.93	0.	-49.01	86.19	1.225	-90.	0	65				
28002 GTRA16 DISTILL	77.	1.00	0.189	0.25	59.0	4.37	1.86	2.36	65.35	0.	0.	73.94	1.051	-24.	0	74				
28002 GTRA16 DISTILL	77.	3.85	0.341	0.25	119.8	8.87	3.77	3.68	113.63	0.	-44.57	85.38	1.214	-88.	0	66				
28002 GTR208 DISTILL	77.	1.00	0.189	0.25	54.5	4.04	1.72	2.25	65.38	0.	0.	73.38	1.043	-20.	0	73				
28002 GTR208 DISTILL	77.	3.18	0.321	0.25	88.8	6.58	2.80	2.88	102.40	0.	-34.12	80.54	1.145	-58.	0	65				
28002 GTR212 DISTILL	77.	1.00	0.188	0.25	55.7	4.12	1.75	2.28	65.44	0.	0.	73.59	1.046	-21.	0	72				
28002 GTR212 DISTILL	77.	3.42	0.327	0.25	100.7	7.46	3.17	3.19	106.50	0.	-37.72	82.59	1.174	-70.	0	65				
28002 GTR216 DISTILL	77.	1.00	0.192	0.25	57.4	4.25	1.81	2.32	65.14	0.	0.	73.52	1.045	-21.	0	77				
28002 GTR216 DISTILL	77.	3.50	0.336	0.25	108.1	8.01	3.40	3.38	106.93	0.	-39.08	82.64	1.175	-74.	0	67				
28002 GTRW08 DISTILL	77.	1.00	0.154	0.25	55.7	4.12	1.75	2.29	68.19	0.	0.	76.35	1.085	-30.	0	61				
28002 GTRW08 DISTILL	77.	5.06	0.297	0.25	123.3	9.13	3.88	3.84	148.45	0.	-63.47	101.84	1.448	-141.	0	59				
28002 GTRW12 DISTILL	77.	1.00	0.165	0.25	55.6	4.12	1.75	2.28	67.28	0.	0.	75.43	1.072	-27.	0	62				
28002 GTRW12 DISTILL	77.	5.14	0.320	0.25	124.2	9.20	3.91	3.86	145.24	0.	-64.63	97.58	1.387	-128.	0	60				
28002 GTRW16 DISTILL	77.	1.00	0.168	0.25	56.6	4.19	1.78	2.30	67.07	0.	0.	75.35	1.071	-27.	0	63				
28002 GTRW16 DISTILL	77.	4.75	0.319	0.25	122.8	9.10	3.87	3.81	136.98	0.	-58.61	95.14	1.353	-120.	0	60				
28002 GTR308 DISTILL	77.	1.00	0.143	0.25	54.3	4.02	1.71	2.26	69.11	0.	0.	77.09	1.096	-31.	0	60				
28002 GTR308 DISTILL	77.	3.87	0.257	0.25	93.1	6.90	2.93	3.05	128.35	0.	-44.77	96.46	1.371	-110.	0	58				

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST							PERCENT OF ORIGINAL COST 100										
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS		
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC				WORTH	%	PAY		
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK		
28002 GTR312 DISTILL	77.	4.13	0.314	0.25	97.7	7.24	3.08	3.15	124.23	0.	-48.87	88.83	1.263	-88.	0	60	
28002 GTR316 DISTILL	77.	1.00	0.170	0.25	55.1	4.08	1.74	2.27	66.88	0.	0.	74.96	1.066	-25.	0	63	
28002 GTR316 DISTILL	77.	4.06	0.311	0.25	100.4	7.44	3.16	3.22	123.37	0.	-47.86	89.33	1.270	-91.	0	60	
28002 FCPADS DISTILL	77.	1.00	0.130	0.25	81.2	6.02	2.56	10.23	70.10	0.	0.	88.91	1.264	-82.	0	61	
28002 FCPADS DISTILL	77.	8.94	0.279	0.25	364.3	26.98	11.47	76.70	242.20	0.	-124.08	233.27	3.316	-676.	0	60	
28002 FCMCDS DISTILL	77.	1.00	0.174	0.25	84.3	6.24	2.65	9.71	66.57	0.	0.	85.18	1.211	-72.	0	63	
28002 FCMCDS DISTILL	77.	7.08	0.360	0.25	326.4	24.18	10.28	57.55	176.71	0.	-94.89	173.83	2.471	-469.	0	62	
28003 ONOCGN RESIDUA	97.	0.	0.	0.35	30.9	2.29	0.97	1.26	35.51	32.77	0.	72.81	1.000	0.	0	0	
28003 STM141 RESIDUA	97.	0.52	0.156	0.35	35.9	2.72	1.16	1.54	41.94	15.80	0.	63.16	0.867	27.	84	2	
28003 STM141 COAL-FG	97.	0.52	0.156	0.35	68.5	5.20	2.21	3.61	24.33	15.80	0.	51.18	0.703	49.	34	3	
28003 STM141 COAL-AF	97.	0.52	0.156	0.35	53.0	4.02	1.71	3.49	24.35	15.80	0.	49.38	0.678	62.	55	2	
28003 STM088 RESIDUA	97.	0.36	0.109	0.35	32.6	2.47	1.05	1.44	40.00	20.93	0.	65.89	0.905	21.	137	1	
28003 STM088 COAL-FG	97.	0.36	0.109	0.35	64.0	4.86	2.07	3.37	23.23	20.93	0.	54.44	0.748	41.	33	3	
28003 STM088 COAL-AF	97.	0.36	0.109	0.35	51.1	3.88	1.65	3.37	23.23	20.93	0.	53.05	0.729	52.	51	2	
28003 PFBSTM COAL-PF	97.	0.88	0.258	0.35	68.0	5.16	2.19	6.03	27.24	3.91	0.	44.53	0.612	70.	42	3	
28003 TISTMT RESIDUA	97.	1.00	0.295	0.35	163.8	12.43	5.29	5.08	48.29	0.	0.	71.09	0.976	-59.	6	12	
28003 TISTMT RESIDUA	97.	1.19	0.322	0.35	153.1	13.89	5.91	5.34	50.74	0.	-3.77	72.11	0.990	-71.	5	13	
28003 TISTMT COAL	97.	1.00	0.295	0.35	212.9	16.16	6.87	7.72	28.04	0.	0.	58.78	0.807	-44.	10	9	
28003 TISTMT COAL	97.	1.19	0.322	0.35	230.5	17.49	7.44	7.82	29.46	0.	-3.77	58.43	0.803	-51.	10	9	
28003 TIHRSG RESIDUA	97.	0.62	0.136	0.35	164.4	12.17	5.18	4.65	46.73	12.38	0.	81.12	1.114	-88.	0	999	
28003 TIHRSG COAL	97.	0.62	0.136	0.35	208.9	15.85	6.74	7.05	27.14	12.38	0.	69.16	0.950	-74.	6	11	
28003 STIRL DISTILL	97.	1.00	0.213	0.35	82.2	6.09	2.59	3.02	66.08	0.	0.	77.78	1.068	-40.	0	131	
28003 STIRL DISTILL	97.	1.51	0.259	0.35	101.9	7.55	3.21	3.27	77.54	0.	-9.99	81.57	1.120	-61.	0	78	
28003 STIRL RESIDUA	97.	1.00	0.213	0.35	82.3	6.10	2.59	3.02	53.91	0.	0.	65.62	0.901	-2.	14	7	
28003 STIRL RESIDUA	97.	1.51	0.259	0.35	102.0	7.56	3.21	3.27	63.26	0.	-9.99	67.31	0.924	-16.	10	8	
28003 STIRL COAL	97.	1.00	0.213	0.35	143.5	10.63	4.52	6.19	31.30	0.	0.	52.64	0.723	10.	16	6	
28003 STIRL COAL	97.	1.51	0.259	0.35	180.6	13.38	5.69	6.91	36.73	0.	-9.99	52.71	0.724	-7.	14	7	
28003 HEGT85 COAL-AF	97.	1.00	0.068	0.35	172.4	13.08	5.56	7.28	37.07	0.	0.	63.00	0.865	-38.	10	9	
28003 HEGT85 COAL-AF	97.	7.75	0.125	0.35	749.6	56.88	24.18	28.13	148.21	0.	-132.79	124.62	1.712	-508.	0	999	
28003 HEGT60 COAL-AF	97.	1.00	0.090	0.35	154.2	11.70	4.98	6.85	36.21	0.	0.	59.74	0.821	-19.	12	8	
28003 HEGT60 COAL-AF	97.	2.54	0.131	0.35	244.7	18.57	7.89	10.27	60.29	0.	-30.38	66.65	0.915	-84.	7	11	
28003 HEGT00 COAL-AF	97.	1.00	0.109	0.35	135.4	10.28	4.37	6.25	35.45	0.	0.	56.34	0.774	1.	15	7	
28003 HEGT00 COAL-AF	97.	1.03	0.111	0.35	134.3	10.19	4.33	6.01	35.88	0.	-0.57	55.85	0.767	3.	15	6	
28003 FCMCCL COAL	97.	1.00	0.257	0.35	133.0	10.34	4.40	7.76	29.56	0.	0.	52.06	0.715	14.	17	6	
28003 FCMCCL COAL	97.	1.83	0.336	0.35	164.3	12.77	5.43	10.16	37.02	0.	-16.40	48.98	0.673	8.	15	6	
28003 FCSTCL COAL	97.	1.00	0.266	0.35	137.6	10.70	4.55	7.61	29.20	0.	0.	52.06	0.715	11.	16	6	
28003 FCSTCL COAL	97.	2.67	0.394	0.35	195.1	15.17	6.45	12.09	43.53	0.	-32.85	44.39	0.610	7.	15	6	
28003 IGGTST COAL	97.	1.00	0.209	0.35	123.0	9.56	4.07	4.95	31.47	0.	0.	50.05	0.687	25.	19	5	
28003 IGGTST COAL	97.	1.84	0.274	0.35	155.7	12.11	5.15	5.00	40.56	0.	-16.46	46.36	0.637	21.	17	6	
28003 GTSOAR RESIDUA	97.	1.00	0.215	0.35	55.1	4.08	1.74	2.26	53.77	0.	0.	61.84	0.849	23.	30	4	
28003 GTSOAR RESIDUA	97.	1.95	0.288	0.35	73.1	5.41	2.30	2.45	71.17	0.	-18.74	62.60	0.860	12.	19	5	
28003 GTAC08 RESIDUA	97.	1.00	0.257	0.35	50.3	3.73	1.58	2.11	50.95	0.	0.	58.37	0.802	36.	43	3	
28003 GTAC08 RESIDUA	97.	1.50	0.310	0.35	57.3	4.24	1.80	2.02	58.65	0.	-9.80	56.91	0.782	37.	37	3	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	+		ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
28003 GTAC12	RESIDUA	97.	1.88	0.333	0.35	68.6	5.08	2.16	2.32	65.02	0.	-17.23	57.35	0.788	31.	28	4		
28003 GTAC16	RESIDUA	97.	1.00	0.247	0.35	53.6	3.97	1.69	2.21	51.58	0.	0.	59.45	0.817	31.	36	3		
28003 GTAC16	RESIDUA	97.	2.13	0.341	0.35	78.5	5.81	2.47	2.58	69.79	0.	-22.28	58.38	0.802	23.	22	5		
28003 GTWC16	RESIDUA	97.	1.00	0.225	0.35	51.0	3.77	1.60	2.16	53.08	0.	0.	60.62	0.833	29.	37	3		
28003 GTWC16	RESIDUA	97.	2.22	0.315	0.35	74.0	5.48	2.33	2.49	74.58	0.	-24.05	60.83	0.835	17.	21	5		
28003 CC1626	RESIDUA	97.	1.00	0.221	0.35	55.7	4.23	1.80	2.42	53.36	0.	0.	61.81	0.849	22.	23	4		
28003 CC1626	RESIDUA	97.	3.37	0.348	0.35	95.0	7.21	3.06	3.27	95.76	0.	-46.70	62.61	0.860	1.	15	7		
28003 CC1622	RESIDUA	97.	1.00	0.232	0.35	57.6	4.37	1.86	2.44	52.61	0.	0.	61.28	0.842	23.	28	4		
28003 CC1622	RESIDUA	97.	3.03	0.356	0.35	97.5	7.40	3.15	3.23	87.37	0.	-39.97	61.18	0.840	4.	16	6		
28003 CC1222	RESIDUA	97.	1.00	0.235	0.35	55.8	4.24	1.80	2.42	52.45	0.	0.	60.91	0.837	25.	30	4		
28003 CC1222	RESIDUA	97.	3.01	0.359	0.35	91.3	6.93	2.95	3.15	86.60	0.	-39.62	60.00	0.824	11.	17	6		
28003 CC0822	RESIDUA	97.	1.00	0.252	0.35	50.5	3.83	1.63	2.28	51.29	0.	0.	59.03	0.811	33.	40	3		
28003 CC0822	RESIDUA	97.	2.39	0.360	0.35	71.9	5.46	2.32	2.61	73.19	0.	-27.27	56.32	0.773	32.	27	4		
28003 STIG15	RESIDUA	97.	1.00	0.083	0.35	61.5	4.55	1.94	3.32	62.82	0.	0.	72.63	0.998	-14.	5	13		
28003 STIG15	RESIDUA	97.	83.69	0.171	0.35	1960.1	145.18	61.73	122.67	2321.50	0.	*****1025.05	14.079	-3897.	0	58			
28003 STIG10	RESIDUA	97.	1.00	0.119	0.35	55.5	4.11	1.75	2.89	60.35	0.	0.	69.10	0.949	-0.	15	7		
28003 STIG10	RESIDUA	97.	7.74	0.218	0.35	193.4	14.32	6.09	10.23	227.77	0.	-132.52	125.90	1.729	-243.	0	60		
28003 STIG15	RESIDUA	97.	1.00	0.136	0.35	54.1	4.01	1.71	2.89	59.22	0.	0.	67.82	0.931	5.	18	6		
28003 STIG15	RESIDUA	97.	4.54	0.228	0.35	124.6	9.23	3.92	6.71	143.17	0.	-69.62	93.40	1.283	-109.	0	63		
28003 DEADV3	RESIDUA	97.	1.00	0.166	0.35	92.4	6.85	2.91	3.31	57.12	0.	0.	70.19	0.964	-21.	8	10		
28003 DEADV3	RESIDUA	97.	5.17	0.286	0.35	315.2	23.34	9.92	8.86	147.23	0.	-81.97	107.39	1.475	-241.	0	79		
28003 DEHTPM	RESIDUA	97.	1.00	0.248	0.35	93.4	6.92	2.94	3.40	51.53	0.	0.	64.79	0.890	-4.	13	7		
28003 DEHTPM	RESIDUA	97.	2.18	0.345	0.35	160.0	11.85	5.04	4.87	70.44	0.	-23.19	69.01	0.948	-49.	7	11		
28003 DESQA3	DISTILL	97.	1.00	0.141	0.35	108.3	8.02	3.41	3.71	72.19	0.	0.	87.34	1.200	-82.	0	64		
28003 DESQA3	DISTILL	97.	6.03	0.248	0.35	445.1	32.96	14.02	12.17	216.36	0.	-98.89	176.62	2.426	-519.	0	61		
28003 DESQA3	RESIDUA	97.	1.00	0.141	0.35	108.3	8.02	3.41	3.71	58.89	0.	0.	74.04	1.017	-40.	4	16		
28003 DESQA3	RESIDUA	97.	6.03	0.248	0.35	445.1	32.96	14.02	12.17	176.51	0.	-98.89	136.77	1.878	-394.	0	68		
28003 GTSQAD	DISTILL	97.	1.00	0.240	0.35	49.5	3.66	1.56	2.11	63.85	0.	0.	71.18	0.978	-4.	11	8		
28003 GTSQAD	DISTILL	97.	1.81	0.312	0.35	60.1	4.45	1.89	2.11	80.32	0.	-15.93	72.84	1.000	-14.	5	14		
28003 GTRA08	DISTILL	97.	1.00	0.221	0.35	61.2	4.53	1.93	2.42	65.46	0.	0.	74.33	1.021	-19.	0	999		
28003 GTRA08	DISTILL	97.	3.03	0.338	0.35	111.0	8.22	3.49	3.46	110.02	0.	-39.95	85.24	1.171	-76.	0	68		
28003 GTRA12	DISTILL	97.	1.00	0.227	0.35	59.9	4.44	1.89	2.38	64.97	0.	0.	73.68	1.012	-16.	2	20		
28003 GTRA12	DISTILL	97.	2.95	0.345	0.35	107.7	7.97	3.39	3.37	106.86	0.	-38.40	83.19	1.143	-68.	0	73		
28003 GTRA16	DISTILL	97.	1.00	0.228	0.35	63.8	4.72	2.01	2.48	64.82	0.	0.	74.03	1.017	-19.	1	23		
28003 GTRA16	DISTILL	97.	2.75	0.341	0.35	108.2	8.01	3.41	3.37	102.09	0.	-34.42	82.46	1.133	-66.	0	77		
28003 GTR208	DISTILL	97.	1.00	0.228	0.35	55.4	4.10	1.74	2.26	64.86	0.	0.	72.97	1.002	-12.	4	14		
28003 GTR208	DISTILL	97.	2.27	0.321	0.35	79.6	5.90	2.51	2.63	92.00	0.	-25.02	78.02	1.072	-39.	0	94		
28003 GTR212	DISTILL	97.	1.00	0.227	0.35	56.7	4.20	1.78	2.30	64.92	0.	0.	73.21	1.005	-13.	4	16		
28003 GTR212	DISTILL	97.	2.44	0.327	0.35	85.8	6.36	2.70	2.79	95.68	0.	-28.26	79.27	1.089	-46.	0	82		
28003 GTR216	DISTILL	97.	1.00	0.232	0.35	58.8	4.36	1.85	2.35	64.55	0.	0.	73.11	1.004	-14.	4	15		
28003 GTR216	DISTILL	97.	2.50	0.336	0.35	92.3	6.84	2.91	2.96	96.08	0.	-29.48	79.30	1.089	-49.	0	96		
28003 GTRW08	DISTILL	97.	1.00	0.186	0.35	57.5	4.26	1.81	2.34	68.39	0.	0.	76.79	1.055	-25.	0	70		
28003 GTRW08	DISTILL	97.	3.61	0.297	0.35	111.8	8.29	3.52	3.53	133.38	0.	-51.39	97.33	1.337	-115.	0	60		

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDH	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
28003	GTRW12	DISTILL	97.	3.67	0.320	0.35	112.7	8.35	3.55	3.54	130.49	0.	-52.43	93.50	1.264	-103.	0	61	
28003	GTRW16	DISTILL	97.	1.00	0.203	0.35	58.5	4.33	1.84	2.36	66.98	0.	0.	75.51	1.037	-21.	0	131	
28003	GTRW16	DISTILL	97.	3.39	0.319	0.35	103.3	7.65	3.25	3.29	123.07	0.	-47.03	90.25	1.240	-89.	0	61	
28003	GTR308	DISTILL	97.	1.00	0.172	0.35	55.7	4.13	1.75	2.30	69.54	0.	0.	77.72	1.067	-27.	0	64	
28003	GTR308	DISTILL	97.	2.76	0.257	0.35	86.1	6.38	2.71	2.85	115.32	0.	-34.60	92.66	1.273	-88.	0	59	
28003	GTR312	DISTILL	97.	1.00	0.207	0.35	55.4	4.10	1.74	2.28	66.63	0.	0.	74.76	1.027	-18.	0	999	
28003	GTR312	DISTILL	97.	2.95	0.314	0.35	88.2	6.53	2.78	2.89	111.62	0.	-38.28	85.54	1.175	-67.	0	62	
28003	GTR316	DISTILL	97.	1.00	0.206	0.35	56.7	4.20	1.79	2.31	66.73	0.	0.	75.03	1.030	-19.	0	***	
28003	GTR316	DISTILL	97.	2.90	0.311	0.35	90.7	6.72	2.86	2.95	110.85	0.	-37.37	86.00	1.181	-69.	0	62	
28003	FCPADS	DISTILL	97.	1.00	0.157	0.35	86.0	6.37	2.71	12.29	70.80	0.	0.	92.17	1.266	-88.	0	62	
28003	FCPADS	DISTILL	97.	6.38	0.279	0.35	327.9	24.29	10.33	68.95	217.61	0.	-105.85	215.33	2.957	-595.	0	60	
28003	FCMCDS	DISTILL	97.	1.00	0.210	0.35	89.5	6.63	2.82	11.63	66.35	0.	0.	87.42	1.201	-75.	0	65	
28003	FCMCDS	DISTILL	97.	5.05	0.360	0.35	299.7	22.20	9.44	51.89	158.77	0.	-79.63	162.68	2.234	-414.	0	62	
28121	ONOCGN	RESIDUA	120.	0.	0.	1.55	8.6	0.64	0.27	0.54	9.64	39.26	0.	50.36	1.000	0.	0	0	
28121	STM141	RESIDUA	120.	0.15	0.076	1.55	12.5	0.95	0.40	0.75	11.91	33.28	0.	47.29	0.939	8.	43	3	
28121	STM141	COAL-FG	120.	0.15	0.076	1.55	25.3	1.92	0.82	1.56	6.92	33.28	0.	44.49	0.883	10.	24	4	
28121	STM141	COAL-AF	120.	0.15	0.076	1.55	18.5	1.40	0.60	1.40	6.92	33.28	0.	43.60	0.866	16.	39	3	
28121	STM088	RESIDUA	120.	0.11	0.057	1.55	11.2	0.85	0.36	0.72	11.35	34.77	0.	48.05	0.954	6.	46	3	
28121	STM088	COAL-FG	120.	0.11	0.057	1.55	23.4	1.78	0.76	1.47	6.59	34.77	0.	45.36	0.901	8.	23	4	
28121	STM088	COAL-AF	120.	0.11	0.057	1.55	17.5	1.33	0.57	1.35	6.59	34.77	0.	44.60	0.886	14.	37	3	
28121	PFBSTM	COAL-PF	120.	0.24	0.117	1.55	30.4	2.31	0.98	2.32	7.70	29.96	0.	43.27	0.859	11.	23	5	
28121	TISTMT	RESIDUA	120.	0.31	0.154	1.55	72.8	5.52	2.35	2.31	14.41	27.00	0.	51.59	1.025	-35.	3	17	
28121	TISTMT	COAL	120.	0.31	0.154	1.55	92.2	7.00	2.97	3.30	8.37	27.00	0.	48.63	0.966	-35.	6	11	
28121	TIHRSG	RESIDUA	120.	0.14	0.053	1.55	61.9	4.59	1.95	1.89	12.51	33.80	0.	54.74	1.087	-39.	0	999	
28121	TIHRSG	COAL	120.	0.14	0.053	1.55	79.5	6.03	2.56	2.80	7.27	33.80	0.	52.46	1.042	-41.	2	20	
28121	STIRL	DISTILL	120.	0.36	0.128	1.55	30.3	2.24	0.95	1.21	21.35	25.31	0.	51.06	1.014	-12.	2	21	
28121	STIRL	RESIDUA	120.	0.36	0.128	1.55	30.3	2.25	0.95	1.22	17.41	25.31	0.	47.13	0.936	-0.	14	7	
28121	STIRL	COAL	120.	0.36	0.128	1.55	53.0	3.92	1.67	2.37	10.11	25.31	0.	43.38	0.862	1.	15	6	
28121	HEGT85	COAL-AF	120.	1.00	0.153	1.55	154.6	11.73	4.99	6.08	24.20	0.	0.	47.00	0.933	-60.	7	11	
28121	HEGT85	COAL-AF	120.	1.30	0.160	1.55	178.6	13.55	5.76	6.74	29.83	0.	-7.13	48.76	0.968	-77.	6	12	
28121	HEGT60	COAL-AF	120.	0.53	0.095	1.55	93.7	7.11	3.02	3.66	15.06	18.44	0.	47.29	0.939	-31.	7	10	
28121	HEGT00	COAL-AF	120.	0.23	0.045	1.55	54.0	4.10	1.74	2.29	9.61	30.23	0.	47.97	0.953	-14.	9	10	
28121	FCMCCL	COAL	120.	0.42	0.178	1.55	64.8	5.04	2.14	3.54	10.04	22.96	0.	43.72	0.868	-7.	12	7	
28121	FCSTCL	COAL	120.	0.66	0.296	1.55	80.2	6.24	2.65	4.42	12.35	13.29	0.	38.95	0.773	0.	15	7	
28121	IGOTST	COAL	120.	0.46	0.167	1.55	62.6	4.87	2.07	2.33	11.52	21.01	0.	41.80	0.830	0.	15	7	
28121	GTSOAR	RESIDUA	120.	0.43	0.160	1.55	23.2	1.72	0.73	0.97	18.96	22.21	0.	44.59	0.886	11.	27	4	
28121	GTAC08	RESIDUA	120.	0.34	0.145	1.55	18.2	1.35	0.57	0.82	15.96	25.90	0.	44.60	0.886	14.	37	3	
28121	GTAC12	RESIDUA	120.	0.42	0.179	1.55	21.5	1.59	0.68	0.92	17.60	22.61	0.	43.40	0.862	16.	34	3	
28121	GTAC16	RESIDUA	120.	0.48	0.200	1.55	24.5	1.81	0.77	1.00	18.80	20.43	0.	42.82	0.850	16.	31	4	
28121	GTWC16	RESIDUA	120.	0.50	0.189	1.55	24.0	1.78	0.76	1.00	20.26	19.47	0.	43.27	0.859	15.	30	4	
28121	CC1626	RESIDUA	120.	0.83	0.310	1.55	33.1	2.51	1.07	1.42	27.19	6.70	0.	38.88	0.772	24.	30	4	
28121	CC1622	RESIDUA	120.	0.75	0.293	1.55	32.8	2.49	1.06	1.37	24.78	9.94	0.	39.63	0.787	22.	29	4	
28121	CC1222	RESIDUA	120.	0.74	0.295	1.55	31.1	2.36	1.00	1.35	24.59	10.05	0.	39.34	0.781	24.	31	4	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	CANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC			ELEC				15%	%	PAY				
28121	STIG15	RESIDUA	120.	1.00	0.139	1.55	45.9	3.40	1.45	2.97	42.36	0.	0.	50.19	0.997	-17.	5	13	
28121	STIG15	RESIDUA	120.	18.97	0.171	1.55	565.4	41.88	17.81	34.93	630.35	0.	-423.29	301.68	5.991	-1051.	0	58	
28121	STIG10	RESIDUA	120.	1.00	0.199	1.55	42.5	3.15	1.34	2.49	39.40	0.	0.	46.38	0.921	-4.	13	7	
28121	STIG10	RESIDUA	120.	1.75	0.218	1.55	62.8	4.66	1.98	3.38	61.85	0.	-17.76	54.10	1.074	-37.	0	999	
28121	STIG1S	RESIDUA	120.	1.00	0.227	1.55	39.5	2.93	1.24	2.33	38.04	0.	0.	44.55	0.885	4.	17	6	
28121	STIG1S	RESIDUA	120.	1.03	0.228	1.55	39.7	2.94	1.25	2.26	38.87	0.	-0.69	44.64	0.886	3.	16	6	
28121	DEADV3	RESIDUA	120.	1.00	0.287	1.55	81.0	6.00	2.55	2.76	35.06	0.	0.	46.38	0.921	-21.	9	9	
28121	DEADV3	RESIDUA	120.	1.11	0.293	1.55	87.7	6.49	2.76	2.80	37.79	0.	-2.53	47.32	0.940	-28.	8	10	
28121	DEHTPM	RESIDUA	120.	0.51	0.217	1.55	46.1	3.41	1.45	1.70	19.06	19.32	0.	44.94	0.893	-1.	14	7	
28121	DESOA3	DISTILL	120.	1.00	0.245	1.55	101.0	7.48	3.18	3.31	45.56	0.	0.	59.54	1.182	-72.	0	115	
28121	DESOA3	DISTILL	120.	1.28	0.256	1.55	124.9	9.25	3.93	3.77	54.94	0.	-6.55	65.34	1.298	-101.	0	75	
28121	DESOA3	RESIDUA	120.	1.00	0.245	1.55	101.0	7.48	3.18	3.31	37.17	0.	0.	51.15	1.016	-46.	4	15	
28121	DESOA3	RESIDUA	120.	1.28	0.256	1.55	124.9	9.25	3.93	3.77	44.82	0.	-6.55	55.22	1.097	-70.	1	26	
28121	GTSOAD	DISTILL	120.	0.41	0.164	1.55	19.0	1.41	0.60	0.86	21.67	23.26	0.	47.78	0.949	3.	20	5	
28121	GTRA08	DISTILL	120.	0.66	0.251	1.55	33.4	2.48	1.05	1.26	28.90	13.16	0.	46.85	0.930	-1.	14	7	
28121	GTRA12	DISTILL	120.	0.65	0.252	1.55	31.9	2.36	1.00	1.22	28.23	13.70	0.	46.51	0.924	1.	15	6	
28121	GTRA16	DISTILL	120.	0.61	0.237	1.55	32.1	2.38	1.01	1.22	27.09	15.34	0.	47.04	0.934	-1.	14	7	
28121	GTR208	DISTILL	120.	0.51	0.196	1.55	25.1	1.86	0.79	1.03	24.57	19.37	0.	47.62	0.946	1.	15	6	
28121	GTR212	DISTILL	120.	0.54	0.209	1.55	27.1	2.01	0.85	1.09	25.56	17.92	0.	47.45	0.942	0.	15	6	
20121	GTR216	DISTILL	120.	0.56	0.219	1.55	29.0	2.15	0.91	1.13	25.64	17.40	0.	47.24	0.938	0.	15	7	
28121	GTRW08	DISTILL	120.	0.79	0.252	1.55	33.5	2.48	1.05	1.29	35.15	8.05	0.	48.03	0.954	-4.	11	8	
28121	GTRW12	DISTILL	120.	0.81	0.275	1.55	33.8	2.51	1.07	1.30	34.58	7.42	0.	46.87	0.931	-1.	14	7	
28121	GTRW16	DISTILL	120.	0.75	0.259	1.55	33.5	2.48	1.06	1.28	32.78	9.66	0.	47.26	0.939	-2.	13	7	
28121	GTR308	DISTILL	120.	0.61	0.180	1.55	27.5	2.03	0.87	1.12	30.40	15.42	0.	49.84	0.990	-7.	7	11	
28121	GTR312	DISTILL	120.	0.66	0.230	1.55	28.5	2.11	0.90	1.14	29.97	13.33	0.	47.46	0.943	-0.	14	7	
28121	GTR316	DISTILL	120.	0.65	0.225	1.55	29.5	2.18	0.93	1.17	29.78	13.73	0.	47.78	0.949	-2.	13	7	
28121	FCPADS	DISTILL	120.	1.00	0.262	1.55	74.0	5.48	2.33	13.64	44.49	0.	0.	65.93	1.309	-81.	0	67	
28121	FCPADS	DISTILL	120.	1.45	0.279	1.55	100.9	7.48	3.18	19.18	59.09	0.	-10.52	78.40	1.557	-133.	0	63	
28121	FCMCDS	DISTILL	120.	1.00	0.351	1.55	78.0	5.77	2.45	12.79	39.16	0.	0.	60.19	1.195	-65.	0	97	
28121	FCMCDS	DISTILL	120.	1.14	0.360	1.55	86.6	6.41	2.73	14.36	43.11	0.	-3.40	63.21	1.255	-79.	0	80	
28191	ONOCGN	RESIDUA	30.	0.	0.	0.11	31.6	2.34	0.99	1.28	34.13	9.49	0.	48.22	1.000	0.	0	0	
28191	STM141	RESIDUA	30.	1.00	0.136	0.11	34.8	2.64	1.12	1.73	37.72	0.	0.	43.22	0.896	14.	65	2	
28191	STM141	RESIDUA	30.	1.14	0.151	0.11	33.8	2.56	1.09	1.48	38.23	0.	-0.79	42.56	0.883	16.	93	2	
28191	STM141	COAL-FG	30.	1.00	0.136	0.11	70.8	5.38	2.29	3.93	21.90	0.	0.	33.50	0.695	27.	25	4	
28191	STM141	COAL-FG	30.	1.14	0.151	0.11	66.0	5.01	2.13	3.46	22.20	0.	-0.79	32.00	0.664	34.	30	4	
28191	STM141	COAL-AF	30.	1.00	0.136	0.11	51.8	3.93	1.67	3.65	21.90	0.	0.	31.15	0.646	43.	45	3	
28191	STM141	COAL-AF	30.	1.14	0.151	0.11	50.7	3.85	1.64	3.31	22.20	0.	-0.79	30.20	0.626	47.	49	2	
28191	STM088	RESIDUA	30.	0.66	0.090	0.11	30.1	2.29	0.97	1.38	36.49	3.24	0.	44.37	0.920	12.	999	0	
28191	STM088	COAL-FG	30.	0.66	0.090	0.11	61.2	4.65	1.98	3.22	21.19	3.24	0.	34.27	0.711	29.	29	4	
28191	STM088	COAL-AF	30.	0.66	0.090	0.11	48.5	3.68	1.57	3.19	21.19	3.24	0.	32.87	0.682	39.	48	3	
28191	PFBSTM	COAL-PF	30.	1.00	0.131	0.11	65.4	4.96	2.11	4.73	22.04	0.	0.	33.84	0.702	28.	27	4	
28191	PFBSTM	COAL-PF	30.	2.31	0.235	0.11	65.7	4.99	2.12	5.68	24.96	0.	-7.43	30.31	0.628	39.	32	4	
28191	T1STMT	RESIDUA	30.	1.00	0.134	0.11	92.9	7.05	3.00	3.25	37.84	0.	0.	51.14	1.061	-39.	0	28	

GENERAL ELECTRIC COMPANY
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REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER /HEAT COST	CAPITAL COST	CAPITAL COST	TAXES +	OANDM	FUEL	PURCHD REVENUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY BACK				
SYSTEM		MW		RATIO *10**6			INSNC			ELEC			15%						
28191 TISTMT COAL		30.	1.00	0.134	0.11	132.5	10.06	4.28	5.50	21.97	0.	0.	41.81	0.867	-29.	9	9		
28191 TISTMT COAL		30.	3.25	0.291	0.11	225.3	17.10	7.27	7.59	26.83	0.	-12.82	45.97	0.953	-86.	6	12		
28191 TIHRSG RESIDUA		30.	1.00	0.070	0.11	111.4	8.25	3.51	3.61	40.65	0.	0.	56.03	1.162	-62.	0	122		
28191 TIHRSG RESIDUA		30.	2.24	0.123	0.11	180.1	13.34	5.67	5.06	48.75	0.	-7.07	65.75	1.363	-124.	0	81		
28191 TIHRSG COAL		30.	1.00	0.070	0.11	150.8	11.44	4.86	5.95	23.60	0.	0.	45.85	0.951	-50.	6	12		
28191 TIHRSG COAL		30.	2.24	0.123	0.11	228.7	17.35	7.38	7.62	28.31	0.	-7.07	53.59	1.111	-112.	2	19		
28191 STIRL DISTILL		30.	1.00	0.090	0.11	53.2	3.94	1.68	2.21	48.71	0.	0.	56.54	1.172	-36.	0	59		
28191 STIRL DISTILL		30.	4.03	0.219	0.11	97.8	7.24	3.08	3.16	69.55	0.	-17.24	65.79	1.364	-86.	0	61		
28191 STIRL RESIDUA		30.	1.00	0.090	0.11	53.2	3.94	1.68	2.21	39.74	0.	0.	47.57	0.986	-8.	7	11		
28191 STIRL RESIDUA		30.	4.03	0.219	0.11	97.9	7.25	3.08	3.16	56.74	0.	-17.24	53.00	1.099	-46.	0	999		
28191 STIRL COAL		30.	1.00	0.090	0.11	93.4	6.92	2.94	4.53	23.07	0.	0.	37.46	0.777	5.	16	6		
28191 STIRL COAL		30.	4.03	0.219	0.11	174.8	12.95	5.51	6.61	32.95	0.	-17.24	40.77	0.845	-44.	9	10		
28191 HEGT60 COAL-AF		30.	1.00	0.006	0.11	103.9	7.89	3.35	4.79	25.53	0.	0.	41.56	0.862	-14.	11	8		
28191 HEGT60 COAL-AF		30.	17.29	0.024	0.11	508.6	38.59	16.41	20.38	118.60	0.	-92.74	101.24	2.099	-396.	0	97		
28191 HEGT00 COAL-AF		30.	1.00	0.037	0.11	98.4	7.45	3.17	4.67	24.42	0.	0.	39.73	0.824	-6.	13	7		
28191 HEGT00 COAL-AF		30.	3.61	0.086	0.11	143.1	10.86	4.62	6.28	36.45	0.	-14.87	43.35	0.899	-39.	8	10		
28191 FCNCCCL COAL		30.	1.00	0.116	0.11	99.5	7.74	3.29	5.07	22.43	0.	0.	38.52	0.799	-4.	13	7		
28191 FCNCCCL COAL		30.	6.13	0.335	0.11	169.3	13.17	5.60	10.12	35.83	0.	-29.21	35.50	0.736	-29.	11	8		
28191 FCSTCL COAL		30.	1.00	0.120	0.11	98.3	7.64	3.25	5.04	22.32	0.	0.	38.25	0.793	-3.	14	7		
28191 FCSTCL COAL		30.	7.94	0.378	0.11	190.4	14.80	6.29	11.42	39.72	0.	-39.51	32.72	0.679	-31.	11	8		
28191 IGGTST COAL		30.	1.00	0.091	0.11	94.1	7.31	3.11	4.34	23.05	0.	0.	37.81	0.784	1.	15	7		
28191 IGGTST COAL		30.	5.29	0.249	0.11	151.4	11.77	5.00	4.89	36.97	0.	-24.44	34.19	0.705	-16.	12	7		
28191 GTSOAR RESIDUA		30.	1.00	0.085	0.11	42.8	3.17	1.35	1.86	39.95	0.	0.	46.33	0.961	1.	15	6		
28191 GTSOAR RESIDUA		30.	7.23	0.261	0.11	87.7	6.50	2.76	2.85	76.28	0.	-35.47	52.93	1.096	-41.	0	999		
28191 GTAC08 RESIDUA		30.	1.00	0.117	0.11	40.8	3.02	1.28	1.81	38.58	0.	0.	44.69	0.927	7.	26	4		
28191 GTAC08 RESIDUA		30.	4.96	0.311	0.11	58.9	4.36	1.86	2.06	56.25	0.	-22.56	41.97	0.877	7.	19	5		
28191 GTAC12 RESIDUA		30.	1.00	0.114	0.11	41.5	3.07	1.31	1.82	38.68	0.	0.	44.88	0.931	6.	24	4		
28191 GTAC12 RESIDUA		30.	6.24	0.333	0.11	70.8	5.24	2.23	2.38	62.56	0.	-29.81	42.61	0.884	-1.	14	7		
28191 GTAC16 RESIDUA		30.	1.00	0.109	0.11	42.3	3.14	1.33	1.84	38.91	0.	0.	45.22	0.938	4.	21	5		
28191 GTAC16 RESIDUA		30.	7.29	0.335	0.11	82.5	6.11	2.60	2.70	69.03	0.	-35.79	44.64	0.926	-13.	10	9		
28191 GTWC16 RESIDUA		30.	1.00	0.103	0.11	42.1	3.12	1.33	1.84	39.20	0.	0.	45.49	0.943	4.	20	5		
28191 GTWC16 RESIDUA		30.	7.36	0.316	0.11	76.0	5.63	2.39	2.54	71.51	0.	-36.22	45.85	0.951	-13.	9	9		
28191 CC1626 RESIDUA		30.	1.00	0.099	0.11	41.9	3.18	1.35	1.94	39.37	0.	0.	45.84	0.950	2.	18	6		
28191 CC1626 RESIDUA		30.	10.14	0.334	0.11	91.8	6.96	2.96	3.18	87.27	0.	-51.99	48.38	1.003	-30.	5	14		
28191 CC1622 RESIDUA		30.	1.00	0.104	0.11	42.0	3.19	1.35	1.93	39.15	0.	0.	45.62	0.946	3.	19	5		
28191 CC1622 RESIDUA		30.	9.08	0.341	0.11	94.1	7.14	3.04	3.14	79.71	0.	-45.98	47.05	0.976	-27.	6	12		
28191 CC1222 RESIDUA		30.	1.00	0.105	0.11	41.3	3.13	1.33	1.92	39.10	0.	0.	45.49	0.943	3.	20	5		
28191 CC1222 RESIDUA		30.	9.00	0.343	0.11	88.2	6.69	2.84	3.06	78.93	0.	-45.54	45.98	0.953	-20.	8	10		
28191 CC0822 RESIDUA		30.	1.00	0.113	0.11	41.1	3.12	1.32	1.92	38.76	0.	0.	45.13	0.936	5.	22	5		
28191 CC0822 RESIDUA		30.	7.02	0.341	0.11	69.1	5.24	2.23	2.53	66.70	0.	-34.28	42.42	0.880	-0.	14	7		
28191 DEHTPM RESIDUA		30.	1.00	0.091	0.11	59.3	4.39	1.87	2.41	39.72	0.	0.	48.40	1.004	-14.	4	14		
28191 DEHTPM RESIDUA		30.	5.90	0.258	0.11	166.7	12.35	5.25	5.05	67.16	0.	-27.91	61.89	1.283	-106.	0	107		
28191 GTSOAD DISTILL		30.	1.00	0.107	0.11	40.2	2.98	1.26	1.79	47.82	0.	0.	53.86	1.117	-22.	0	57		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER	CAPITAL COST	CAPITAL TAXES	CANDM	FUEL	PURCHD ELEC	REVENUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY BACK				
SYSTEM		MW		RATIO *10**6		INSNC							15%						
28191 GTRA08 DISTILL		30.	1.00	0.085	0.11	46.9	3.47	1.48	1.95	48.99	0.	0.	55.89	1.159	-31.	0	58		
28191 GTRA08 DISTILL		30.	12.51	0.303	0.11	137.3	10.17	4.32	4.18	131.41	0.	-65.52	84.56	1.753	-163.	0	59		
28191 GTRA12 DISTILL		30.	1.00	0.090	0.11	43.8	3.25	1.38	1.88	48.71	0.	0.	55.21	1.145	-28.	0	58		
28191 GTRA12 DISTILL		30.	11.64	0.316	0.11	127.5	9.44	4.01	3.91	121.89	0.	-60.54	78.72	1.632	-140.	0	59		
28191 GTRA16 DISTILL		30.	1.00	0.093	0.11	44.6	3.31	1.41	1.90	48.58	0.	0.	55.19	1.144	-28.	0	58		
28191 GTRA16 DISTILL		30.	10.48	0.316	0.11	125.1	9.26	3.94	3.83	112.58	0.	-53.94	75.66	1.569	-130.	0	60		
28191 GTR208 DISTILL		30.	1.00	0.095	0.11	42.6	3.15	1.34	1.85	48.47	0.	0.	54.81	1.137	-26.	0	57		
28191 GTR208 DISTILL		30.	8.24	0.302	0.11	94.1	6.97	2.96	3.02	96.52	0.	-41.19	68.28	1.416	-92.	0	59		
28191 GTR212 DISTILL		30.	1.00	0.095	0.11	43.1	3.19	1.36	1.86	48.47	0.	0.	54.88	1.138	-26.	0	58		
28191 GTR212 DISTILL		30.	8.85	0.309	0.11	101.6	7.53	3.20	3.22	100.57	0.	-44.68	69.83	1.448	-101.	0	60		
28191 GTR216 DISTILL		30.	1.00	0.097	0.11	43.8	3.24	1.38	1.88	48.38	0.	0.	54.88	1.138	-27.	0	58		
28191 GTR216 DISTILL		30.	9.13	0.317	0.11	109.7	8.12	3.45	3.42	101.63	0.	-46.29	70.33	1.458	-106.	0	60		
28191 GTRW08 DISTILL		30.	1.00	0.073	0.11	46.7	3.46	1.47	1.95	49.63	0.	0.	56.51	1.172	-33.	0	58		
28191 GTRW08 DISTILL		30.	14.52	0.268	0.11	132.9	9.85	4.19	4.12	155.09	0.	-76.94	96.30	1.997	-198.	0	63		
28191 GTRW12 DISTILL		30.	1.00	0.082	0.11	46.7	3.46	1.47	1.95	49.17	0.	0.	56.05	1.162	-32.	0	58		
28191 GTRW12 DISTILL		30.	14.13	0.298	0.11	130.3	9.65	4.10	4.03	145.55	0.	-74.72	88.61	1.837	-173.	0	58		
28191 GTRW16 DISTILL		30.	1.00	0.085	0.11	47.2	3.50	1.49	1.96	49.01	0.	0.	55.96	1.160	-32.	0	58		
28191 GTRW16 DISTILL		30.	12.58	0.302	0.11	125.7	9.31	3.96	3.89	132.11	0.	-65.90	83.37	1.729	-154.	0	63		
28191 GTR308 DISTILL		30.	1.00	0.066	0.11	42.6	3.15	1.34	1.86	49.99	0.	0.	56.35	1.168	-31.	0	57		
28191 GTR308 DISTILL		30.	10.63	0.227	0.11	104.0	7.70	3.28	3.34	128.59	0.	-54.81	88.10	1.827	-159.	0	57		
28191 GTR312 DISTILL		30.	1.00	0.090	0.11	42.5	3.15	1.34	1.85	48.74	0.	0.	55.07	1.142	-27.	0	57		
28191 GTR312 DISTILL		30.	10.31	0.305	0.11	96.3	7.13	3.03	3.11	113.02	0.	-52.98	73.32	1.520	-109.	0	59		
28191 GTR316 DISTILL		30.	1.00	0.089	0.11	43.1	3.20	1.36	1.86	48.76	0.	0.	55.17	1.144	-27.	0	57		
28191 GTR316 DISTILL		30.	10.12	0.302	0.11	98.8	7.32	3.11	3.17	111.94	0.	-51.91	73.64	1.527	-111.	0	59		
28191 FCPADS DISTILL		30.	1.00	0.071	0.11	54.8	4.06	1.73	4.74	49.73	0.	0.	60.25	1.249	-49.	0	59		
28191 FCPADS DISTILL		30.	21.20	0.279	0.11	339.4	25.14	10.69	66.90	209.15	0.	-114.95	196.94	4.004	-619.	0	60		
28191 FCMCDS DISTILL		30.	1.00	0.095	0.11	55.8	4.13	1.76	4.55	48.44	0.	0.	58.88	1.221	-45.	0	59		
28191 FCMCDS DISTILL		30.	16.77	0.360	0.11	304.0	22.52	9.57	50.30	152.60	0.	-89.74	145.25	3.012	-438.	0	61		
28192 ONUCGN RESIDUA		61.	0.	0.	0.11	58.7	4.35	1.85	2.08	68.29	18.97	0.	95.53	1.000	0.	0	0		
28192 STM141 RESIDUA		61.	1.00	0.136	0.11	60.9	4.62	1.96	2.59	75.48	0.	0.	84.66	0.886	32.	140	1		
28192 STM141 RESIDUA		61.	1.14	0.151	0.11	60.0	4.55	1.93	2.28	76.49	0.	-1.60	83.66	0.876	36.	159	1		
28192 STM141 COAL-FG		61.	1.00	0.136	0.11	125.7	9.54	4.05	6.46	43.83	0.	0.	63.68	0.669	66.	30	4		
28192 STM141 COAL-FG		61.	1.14	0.151	0.11	128.5	9.75	4.15	6.10	44.41	0.	-1.60	62.62	0.658	68.	29	4		
28192 STM141 COAL-AF		61.	1.00	0.136	0.11	96.0	7.28	3.10	6.21	43.83	0.	0.	60.42	0.632	91.	50	2		
28192 STM141 COAL-AF		61.	1.14	0.151	0.11	92.2	7.00	2.98	5.78	44.41	0.	-1.60	58.58	0.613	99.	56	2		
28192 STM088 RESIDUA		61.	0.66	0.090	0.11	54.0	4.10	1.74	2.12	73.03	6.48	0.	87.47	0.916	27.	999	0		
28192 STM088 COAL-FG		61.	0.66	0.090	0.11	120.1	9.11	3.88	5.66	42.40	6.48	0.	67.53	0.707	57.	29	4		
28192 STM088 COAL-AF		61.	0.66	0.090	0.11	89.0	6.75	2.87	5.58	42.40	6.48	0.	64.08	0.671	83.	53	2		
28192 PFBSTM COAL-PF		61.	1.00	0.131	0.11	115.6	8.78	3.73	8.09	44.11	0.	0.	64.71	0.677	68.	32	3		
28192 PFBSTM COAL-PF		61.	2.31	0.235	0.11	117.2	8.89	3.78	10.37	49.94	0.	-14.87	58.11	0.608	88.	37	3		
28192 TISTMT RESIDUA		61.	1.00	0.134	0.11	159.1	12.07	5.13	5.15	75.72	0.	0.	98.07	1.027	-57.	2	18		
28192 TISTMT RESIDUA		61.	3.25	0.291	0.11	354.3	26.89	11.43	9.84	92.47	0.	-25.67	114.96	1.203	-203.	0	999		
28192 TISTMT COAL		61.	1.00	0.134	0.11	227.1	17.23	7.33	8.99	43.96	0.	0.	77.52	0.811	-25.	12	8		

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML. PRESNT ROI	GROSS																
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
28192 TIHRSG	RESIDUA	61.	1.00	0.069	0.11	193.4	14.32	6.09	5.88	81.33	0.	0.	107.63	1.127	-101.	0	206		
28192 TIHRSG	RESIDUA	61.	2.24	0.123	0.11	359.6	26.63	11.32	9.71	97.55	0.	-14.15	131.06	1.372	-252.	0	81		
28192 TIHRSG	COAL	61.	1.00	0.069	0.11	262.8	19.94	8.48	9.94	47.22	0.	0.	85.58	0.896	-68.	8	10		
28192 TIHRSG	COAL	61.	2.24	0.123	0.11	457.0	34.68	14.74	14.58	56.64	0.	-14.15	106.49	1.115	-226.	2	19		
28192 STIRL	DISTILL	61.	1.00	0.090	0.11	100.1	7.41	3.15	3.62	97.46	0.	0.	111.65	1.169	-70.	0	59		
28192 STIRL	DISTILL	61.	4.03	0.219	0.11	191.9	14.21	6.04	5.71	139.18	0.	-34.51	130.63	1.367	-172.	0	61		
28192 STIRL	RESIDUA	61.	1.00	0.090	0.11	100.1	7.42	3.15	3.62	79.51	0.	0.	93.70	0.981	-14.	8	10		
28192 STIRL	RESIDUA	61.	4.03	0.219	0.11	192.1	14.23	6.05	5.72	113.54	0.	-34.51	105.02	1.099	-92.	0	999		
28192 STIRL	COAL	61.	1.00	0.090	0.11	176.1	13.04	5.54	7.78	46.17	0.	0.	72.53	0.759	17.	17	6		
28192 STIRL	COAL	61.	4.03	0.219	0.11	344.6	25.52	10.85	12.33	65.93	0.	-34.51	80.12	0.839	-86.	9	9		
28192 HEGT60	COAL-AF	61.	1.00	-0.006	0.11	187.0	14.19	6.03	8.21	51.07	0.	0.	79.51	0.832	-12.	13	7		
28192 HEGT60	COAL-AF	61.	17.30	-0.024	0.11	1017.5	77.21	32.83	40.06	237.33	0.	-185.58	201.85	2.113	-795.	0	97		
28192 HEGT00	COAL-AF	61.	1.00	0.037	0.11	167.6	12.72	5.41	7.77	48.86	0.	0.	74.76	0.783	12.	16	6		
28192 HEGT00	COAL-AF	61.	3.61	0.086	0.11	234.2	17.78	7.56	10.80	72.94	0.	-29.76	79.32	0.830	-35.	11	8		
28192 FCMCCL	COAL	61.	1.00	0.116	0.11	172.6	13.42	5.70	8.62	44.87	0.	0.	72.61	0.760	14.	16	6		
28192 FCMCCL	COAL	61.	6.14	0.335	0.11	283.0	22.00	9.35	18.31	71.70	0.	-58.46	62.90	0.658	-11.	14	7		
28192 FCSTCL	COAL	61.	1.00	0.120	0.11	170.7	13.27	5.64	8.49	44.66	0.	0.	72.07	0.754	17.	17	6		
28192 FCSTCL	COAL	61.	7.95	0.378	0.11	318.2	24.74	10.52	20.58	79.48	0.	-79.06	56.26	0.509	-7.	14	7		
28192 IGGTST	COAL	61.	1.00	0.091	0.11	160.6	12.49	5.31	6.91	46.13	0.	0.	70.84	0.741	26.	19	5		
28192 IGGTST	COAL	61.	5.30	0.249	0.11	279.1	21.70	9.23	8.34	73.97	0.	-48.91	64.32	0.673	-12.	14	7		
28192 GTSOAR	RESIDUA	61.	1.00	0.085	0.11	79.2	5.87	2.49	2.98	79.94	0.	0.	91.29	0.956	4.	18	6		
28192 GTSOAR	RESIDUA	61.	7.24	0.261	0.11	157.5	11.67	4.96	4.78	152.64	0.	-70.98	103.07	1.079	-70.	0	999		
28192 GTAC08	RESIDUA	61.	1.00	0.117	0.11	75.6	5.60	2.38	2.89	77.20	0.	0.	88.07	0.922	15.	23	4		
28192 GTAC08	RESIDUA	61.	4.97	0.311	0.11	109.6	8.12	3.45	3.50	112.55	0.	-45.16	82.46	0.863	17.	20	5		
28192 GTAC12	RESIDUA	61.	1.00	0.114	0.11	77.4	5.73	2.44	2.93	77.40	0.	0.	88.50	0.926	13.	25	4		
28192 GTAC12	RESIDUA	61.	6.24	0.333	0.11	132.6	9.82	4.18	4.10	125.18	0.	-59.66	83.63	0.875	3.	15	6		
28192 GTAC16	RESIDUA	61.	1.00	0.109	0.11	79.1	5.86	2.49	2.97	77.86	0.	0.	89.18	0.933	10.	23	5		
28192 GTAC16	RESIDUA	61.	7.29	0.335	0.11	159.4	11.81	5.02	4.80	138.12	0.	-71.63	88.13	0.922	-24.	10	9		
28192 GTWC16	RESIDUA	61.	1.00	0.103	0.11	77.8	5.76	2.45	2.94	78.44	0.	0.	89.58	0.938	10.	23	5		
28192 GTWC16	RESIDUA	61.	7.37	0.316	0.11	140.0	10.37	4.41	4.33	143.09	0.	-72.48	89.72	0.939	-20.	10	9		
28192 CC1626	RESIDUA	61.	1.00	0.099	0.11	77.6	5.89	2.50	3.05	78.77	0.	0.	90.21	0.944	7.	20	5		
28192 CC1626	RESIDUA	61.	10.14	0.334	0.11	166.5	12.64	5.37	5.31	174.64	0.	-104.05	93.91	0.983	-47.	6	12		
28192 CC1622	RESIDUA	61.	1.00	0.104	0.11	78.5	5.96	2.53	3.06	78.33	0.	0.	89.87	0.941	7.	20	5		
28192 CC1622	RESIDUA	61.	9.08	0.341	0.11	170.1	12.91	5.49	5.23	159.50	0.	-92.01	91.12	0.954	-40.	8	10		
28192 CC1222	RESIDUA	61.	1.00	0.105	0.11	77.3	5.86	2.49	3.04	78.24	0.	0.	89.64	0.938	9.	22	5		
28192 CC1222	RESIDUA	61.	9.01	0.343	0.11	157.8	11.98	5.09	5.05	157.93	0.	-91.14	88.91	0.931	-28.	10	9		
28192 CC0822	RESIDUA	61.	1.00	0.113	0.11	76.2	5.78	2.46	3.02	77.56	0.	0.	88.83	0.930	12.	25	4		
28192 CC0822	RESIDUA	61.	7.03	0.341	0.11	129.4	9.82	4.18	4.27	133.47	0.	-68.61	83.12	0.870	4.	15	6		
28192 DEHTPM	RESIDUA	61.	1.00	0.091	0.11	115.4	8.55	3.63	4.06	79.47	0.	0.	95.72	1.002	-27.	5	14		
28192 DEHTPM	RESIDUA	61.	5.91	0.258	0.11	328.7	24.35	10.35	9.35	134.38	0.	-55.86	122.57	1.283	-211.	0	110		
28192 GTSOAD	DISTILL	61.	1.00	0.107	0.11	74.9	5.55	2.36	2.87	95.69	0.	0.	106.47	1.114	-42.	0	57		
28192 GTSOAD	DISTILL	61.	6.11	0.308	0.11	119.8	8.88	3.77	3.79	156.98	0.	-58.19	115.23	1.206	-90.	0	59		
28192 GTSOAD	DISTILL	61.	1.00	0.085	0.11	84.3	6.25	2.66	3.09	98.02	0.	0.	110.02	1.152	-57.	0	58		

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-EC3 MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS																	
SYSTEM	FUEL	REQD	GEN/	/HEAT	CGST	INSNC	ELEC	WORTH	%	PAY									
		MW	REQD	RATIO	*10**6				15%	BACK									
28192 GTRA12 DISTILL	61.	1.00	0.090	0.11	81.5	6.04	2.57	3.02	97.46	0.	0.	109.09	1.142	-53.	0	57			
28192 GTRA12 DISTILL	61.	11.64	0.316	0.11	234.0	17.33	7.37	6.78	243.91	0.	-121.16	154.24	1.614	-266.	0	59			
28192 GTRA16 DISTILL	61.	1.00	0.093	0.11	82.8	6.13	2.61	3.06	97.21	0.	0.	109.00	1.141	-54.	0	58			
28192 GTRA16 DISTILL	61.	10.48	0.316	0.11	224.0	16.59	7.05	6.51	225.27	0.	-107.95	147.47	1.544	-240.	0	59			
28192 GTR208 DISTILL	61.	1.00	0.095	0.11	79.1	5.86	2.49	2.97	96.98	0.	0.	108.30	1.134	-50.	0	57			
28192 GTR208 DISTILL	61.	8.24	0.302	0.11	169.7	12.57	5.34	5.10	193.14	0.	-82.43	133.73	1.400	-172.	0	59			
28192 GTR212 DISTILL	61.	1.00	0.093	0.11	80.0	5.93	2.52	2.99	96.98	0.	0.	108.42	1.135	-50.	0	57			
28192 GTR212 DISTILL	61.	8.85	0.309	0.11	180.7	13.38	5.69	5.39	201.23	0.	-89.41	136.28	1.426	-185.	0	59			
28192 GTR216 DISTILL	61.	1.00	0.097	0.11	81.4	6.03	2.56	3.02	96.80	0.	0.	108.41	1.135	-51.	0	58			
28192 GTR216 DISTILL	61.	9.14	0.317	0.11	196.2	14.53	6.18	5.78	203.36	0.	-92.64	137.21	1.436	-195.	0	60			
28192 GTRW08 DISTILL	61.	1.00	0.073	0.11	83.5	6.19	2.63	3.08	99.31	0.	0.	111.20	1.164	-61.	0	57			
28192 GTRW08 DISTILL	61.	14.53	0.268	0.11	241.9	17.92	7.62	7.06	310.34	0.	-153.96	188.98	1.978	-379.	0	58			
28192 GTRW12 DISTILL	61.	1.00	0.082	0.11	83.5	6.18	2.63	3.07	98.39	0.	0.	110.27	1.154	-58.	0	57			
28192 GTRW12 DISTILL	61.	14.14	0.298	0.11	229.0	16.96	7.21	6.72	291.24	0.	-149.53	172.60	1.807	-321.	0	58			
28192 GTRW16 DISTILL	61.	1.00	0.085	0.11	84.3	6.24	2.65	3.09	98.06	0.	0.	110.05	1.152	-58.	0	58			
28192 GTRW16 DISTILL	61.	12.58	0.302	0.11	220.7	16.34	6.95	6.48	264.36	0.	-131.87	162.26	1.698	-285.	0	58			
28192 GTR308 DISTILL	61.	1.00	0.066	0.11	78.9	5.84	2.48	2.98	100.03	0.	0.	111.33	1.165	-59.	0	57			
28192 GTR308 DISTILL	61.	10.64	0.227	0.11	180.5	13.37	5.68	5.46	257.31	0.	-109.69	172.13	1.802	-297.	0	57			
28192 GTR312 DISTILL	61.	1.00	0.090	0.11	78.6	5.82	2.47	2.95	97.52	0.	0.	108.77	1.139	-51.	0	57			
28192 GTR312 DISTILL	61.	10.31	0.305	0.11	173.0	12.82	5.45	5.23	226.15	0.	-106.01	143.63	1.504	-204.	0	58			
28192 GTR316 DISTILL	61.	1.00	0.089	0.11	79.6	5.89	2.51	2.98	97.56	0.	0.	108.94	1.140	-52.	0	57			
28192 GTR316 DISTILL	61.	10.12	0.302	0.11	178.2	13.20	5.61	5.36	223.99	0.	-103.87	144.29	1.510	-209.	0	58			
28192 FCPADS DISTILL	61.	1.00	0.071	0.11	103.0	7.63	3.24	8.84	99.49	0.	0.	119.21	1.248	-96.	0	59			
28192 FCPADS DISTILL	61.	21.21	0.279	0.11	659.3	48.83	20.76	133.06	418.52	0.	-230.02	391.16	4.094	-1225.	0	60			
28192 FCMCDS DISTILL	61.	1.00	0.095	0.11	105.2	7.79	3.31	8.47	96.92	0.	0.	116.49	1.219	-88.	0	59			
28192 FCMCDS DISTILL	61.	16.78	0.360	0.11	578.8	42.87	18.23	99.62	305.36	0.	-179.58	286.50	2.999	-854.	0	61			
28212 ONOCGN RESIDUA	4.	0.	0.	0.07	6.2	0.46	0.20	0.46	7.35	1.28	0.	9.75	1.000	0.	0	0			
28212 STM141 RESIDUA	4.	1.00	0.093	0.07	9.7	0.74	0.31	0.80	7.84	0.	0.	9.69	0.995	-2.	6	12			
28212 STM141 RESIDUA	4.	2.65	0.198	0.07	9.8	0.75	0.32	0.65	8.64	0.	-1.27	9.09	0.932	0.	16	6			
28212 STM141 COAL-FG	4.	1.00	0.093	0.07	21.7	1.65	0.70	1.58	4.55	0.	0.	8.47	0.869	-4.	10	9			
28212 STM141 COAL-FG	4.	2.65	0.198	0.07	20.1	1.52	0.65	1.30	5.02	0.	-1.27	7.22	0.741	1.	16	6			
28212 STM141 COAL-AF	4.	1.00	0.093	0.07	19.7	1.49	0.63	1.48	4.55	0.	0.	8.16	0.837	-2.	12	7			
28212 STM141 COAL-AF	4.	2.65	0.198	0.07	14.9	1.13	0.48	1.16	5.02	0.	-1.27	6.52	0.669	6.	25	4			
28212 STM088 RESIDUA	4.	1.00	0.093	0.07	9.4	0.72	0.30	0.80	7.84	0.	0.	9.66	0.991	-1.	7	11			
28212 STM088 RESIDUA	4.	1.83	0.151	0.07	8.7	0.66	0.28	0.62	8.24	0.	-0.63	9.17	0.940	1.	18	6			
28212 STM088 COAL-FG	4.	1.00	0.093	0.07	21.4	1.62	0.69	1.57	4.55	0.	0.	8.43	0.865	-3.	11	8			
28212 STM088 COAL-FG	4.	1.83	0.151	0.07	18.5	1.40	0.60	1.23	4.78	0.	-0.63	7.38	0.757	1.	16	6			
28212 STM088 COAL-AF	4.	1.00	0.093	0.07	18.9	1.43	0.61	1.48	4.55	0.	0.	8.07	0.828	-1.	13	7			
28212 STM088 COAL-AF	4.	1.83	0.151	0.07	14.0	1.06	0.45	1.12	4.78	0.	-0.63	6.78	0.696	5.	25	4			
28212 PFBSTM COAL-PF	4.	1.00	0.090	0.07	21.9	1.66	0.71	1.60	4.56	0.	0.	8.53	0.875	-4.	10	9			
28212 PFBSTM COAL-PF	4.	4.57	0.270	0.07	24.6	1.87	0.79	1.86	5.61	0.	-2.74	7.40	0.759	-2.	13	7			
28212 TISTMT RESIDUA	4.	1.00	0.091	0.07	19.7	1.50	0.64	1.03	7.85	0.	0.	11.01	1.130	-11.	0	254			
28212 TISTMT RESIDUA	4.	6.21	0.319	0.07	57.8	4.39	1.87	1.89	10.45	0.	-4.00	14.60	1.498	-40.	0	168			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100							
*****LEVELED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES	QANDM FUEL	PURCHD REVNUE TOTAL	NORML	PRESNT	ROI	GROSS									
SYSTEM	FUEL	REQD	GEN/	/HEAT COST													
		MW	REQD	RATIO *10**6	INSNC												
28212 TISTMT	COAL	4.	6.21	0.319	0.07	73.5	5.58	2.37	2.69	6.07	0.	-4.00	12.71	1.304	-42.	0	26
28212 TIHRSG	RESIDUA	4.	1.00	0.060	0.07	25.6	1.90	0.81	1.11	8.13	0.	0.	11.94	1.225	-16.	0	80
28212 TIHRSG	RESIDUA	4.	3.41	0.149	0.07	53.3	3.95	1.68	1.65	9.99	0.	-1.85	15.41	1.581	-40.	0	80
28212 TIHRSG	COAL	4.	1.00	0.060	0.07	39.2	2.98	1.26	1.92	4.72	0.	0.	10.87	1.116	-19.	2	22
28212 TIHRSG	COAL	4.	3.41	0.149	0.07	68.4	5.19	2.21	2.43	5.80	0.	-1.85	13.78	1.414	-43.	0	999
28212 STIRL	DISTILL	4.	1.00	0.064	0.07	10.4	0.77	0.33	0.75	9.91	0.	0.	11.76	1.206	-8.	0	58
28212 STIRL	DISTILL	4.	7.35	0.243	0.07	22.8	1.69	0.72	0.98	15.60	0.	-4.87	14.13	1.449	-21.	0	61
28212 STIRL	RESIDUA	4.	1.00	0.064	0.07	10.4	0.77	0.33	0.75	8.08	0.	0.	9.93	1.019	-3.	0	27
28212 STIRL	RESIDUA	4.	7.35	0.243	0.07	22.9	1.69	0.72	0.98	12.73	0.	-4.87	11.26	1.155	-13.	0	194
28212 STIRL	COAL	4.	1.00	0.064	0.07	21.6	1.60	0.68	1.47	4.69	0.	0.	8.44	0.866	-3.	11	8
28212 STIRL	COAL	4.	7.35	0.243	0.07	40.5	3.00	1.27	1.90	7.39	0.	-4.87	8.69	0.892	-13.	7	11
28212 HEGT60	COAL-AF	4.	1.00	0.015	0.07	27.3	2.07	0.88	1.53	4.94	0.	0.	9.42	0.967	-9.	6	12
28212 HEGT60	COAL-AF	4.	16.90	0.077	0.07	97.8	7.42	3.15	3.81	15.61	0.	-12.19	17.80	1.826	-69.	0	***
28212 HEGT00	COAL-AF	4.	1.00	0.030	0.07	26.5	2.01	0.86	1.52	4.87	0.	0.	9.26	0.950	-8.	7	11
28212 HEGT00	COAL-AF	4.	5.61	0.099	0.07	46.6	3.54	1.50	1.97	7.62	0.	-3.53	11.10	1.139	-24.	2	21
28212 FCMCCL	COAL	4.	1.00	0.079	0.07	27.1	2.10	0.89	1.60	4.62	0.	0.	9.21	0.945	-9.	7	11
28212 FCMCCL	COAL	4.	9.77	0.336	0.07	54.4	4.23	1.80	2.90	7.69	0.	-6.72	9.90	1.016	-24.	5	14
28212 FCSTCL	COAL	4.	1.00	0.082	0.07	26.5	2.06	0.88	1.63	4.60	0.	0.	9.17	0.941	-8.	7	11
28212 FCSTCL	COAL	4.	14.02	0.392	0.07	64.1	4.98	2.12	3.48	8.97	0.	-9.99	9.56	0.981	-28.	5	13
28212 IGGTST	COAL	4.	1.00	0.064	0.07	26.3	2.05	0.87	1.62	4.69	0.	0.	9.23	0.947	-8.	7	11
28212 IGGTST	COAL	4.	9.62	0.271	0.07	50.6	3.94	1.67	1.97	8.35	0.	-6.61	9.32	0.956	-21.	6	12
28212 GTSOAR	RESIDUA	4.	1.00	0.063	0.07	10.0	0.74	0.32	0.70	8.10	0.	0.	9.85	1.011	-2.	2	20
28212 GTSOAR	RESIDUA	4.	10.83	0.278	0.07	20.1	1.49	0.63	0.87	15.39	0.	-7.53	10.84	1.112	-10.	0	999
28212 GTAC08	RESIDUA	4.	1.00	0.080	0.07	9.6	0.71	0.30	0.69	7.95	0.	0.	9.65	0.990	-1.	7	11
28212 GTAC08	RESIDUA	4.	7.94	0.311	0.07	15.1	1.12	0.48	0.72	12.12	0.	-5.32	9.11	0.934	-2.	10	9
28212 GTAC12	RESIDUA	4.	1.00	0.078	0.07	9.5	0.71	0.30	0.68	7.97	0.	0.	9.66	0.991	-1.	7	11
28212 GTAC12	RESIDUA	4.	10.00	0.332	0.07	17.8	1.32	0.56	0.80	13.50	0.	-6.90	9.29	0.953	-4.	6	10
28212 GTAC16	RESIDUA	4.	1.00	0.075	0.07	9.6	0.71	0.30	0.68	7.99	0.	0.	9.69	0.994	-1.	6	12
28212 GTAC16	RESIDUA	4.	11.49	0.338	0.07	20.5	1.52	0.65	0.87	14.66	0.	-8.04	9.66	0.991	-6.	5	13
28212 GTWC16	RESIDUA	4.	1.00	0.070	0.07	9.9	0.73	0.31	0.69	8.04	0.	0.	9.78	1.003	-2.	4	15
28212 GTWC16	RESIDUA	4.	11.79	0.316	0.07	20.1	1.49	0.63	0.87	15.43	0.	-8.28	10.14	1.040	-8.	2	20
28212 CC1626	RESIDUA	4.	1.00	0.068	0.07	9.8	0.74	0.32	0.75	8.05	0.	0.	9.87	1.012	-2.	2	21
28212 CC1626	RESIDUA	4.	17.74	0.347	0.07	26.1	1.98	0.84	1.19	19.72	0.	-12.84	10.90	1.118	-13.	0	999
28212 CC1622	RESIDUA	4.	1.00	0.072	0.07	9.6	0.73	0.31	0.75	8.02	0.	0.	9.81	1.006	-2.	3	17
28212 CC1622	RESIDUA	4.	15.94	0.354	0.07	25.5	1.94	0.82	1.14	18.00	0.	-11.45	10.44	1.071	-12.	1	22
28212 CC1222	RESIDUA	4.	1.00	0.072	0.07	9.4	0.71	0.30	0.75	8.02	0.	0.	9.78	1.004	-2.	4	15
28212 CC1222	RESIDUA	4.	15.84	0.357	0.07	24.2	1.83	0.78	1.12	17.84	0.	-11.38	10.19	1.046	-10.	3	18
28212 CC0822	RESIDUA	4.	1.00	0.078	0.07	9.6	0.73	0.31	0.76	7.97	0.	0.	9.76	1.002	-2.	4	14
28212 CC0822	RESIDUA	4.	12.52	0.358	0.07	20.3	1.54	0.66	1.00	15.07	0.	-8.83	9.43	0.968	-6.	7	11
28212 STIG15	RESIDUA	4.	1.00	0.026	0.07	9.7	0.72	0.31	0.72	8.42	0.	0.	10.16	1.043	-3.	0	93
28212 STIG15	RESIDUA	4.	444.51	0.171	0.07	442.5	32.77	13.93	27.14	480.80	0.	-340.07	214.58	22.014	-848.	0	58
28212 STIG10	RESIDUA	4.	1.00	0.037	0.07	9.5	0.70	0.30	0.70	8.32	0.	0.	10.03	1.029	-2.	0	999
28212 STIG10	RESIDUA	4.	41.11	0.218	0.07	48.8	3.62	1.54	2.69	47.17	0.	-30.75	24.27	2.490	-66.	0	59

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS																	
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC													
		MW	REQD													15%	%	PAY BACK	
28212 STIG1S RESIDUA	4.	24.12	0.228	0.07	29.7	2.20	0.93	1.79	29.65	0.	-17.73	16.84	1.728	-33.	0	60			
28212 DEADV3 RESIDUA	4.	1.00	0.048	0.07	12.3	0.91	0.39	0.78	8.23	0.	0.	10.30	1.057	-5.	0	330			
28212 DEADV3 RESIDUA	4.	31.04	0.271	0.07	82.1	6.08	2.58	2.64	34.48	0.	-23.03	22.75	2.334	-76.	0	66			
28212 DEHTPM RESIDUA	4.	1.00	0.071	0.07	12.7	0.94	0.40	0.82	8.03	0.	0.	10.19	1.045	-4.	0	999			
28212 DEHTPM RESIDUA	4.	10.77	0.312	0.07	36.7	2.72	1.16	1.42	14.61	0.	-7.49	12.42	1.274	-23.	0	343			
28212 DESOA3 DISTILL	4.	1.00	0.040	0.07	11.3	0.84	0.36	0.75	10.17	0.	0.	12.12	1.244	-10.	0	58			
28212 DESOA3 DISTILL	4.	37.17	0.232	0.07	121.1	8.97	3.81	3.66	52.02	0.	-27.74	40.73	4.179	-151.	0	60			
28212 DESOA3 RESIDUA	4.	1.00	0.040	0.07	11.3	0.84	0.36	0.75	8.30	0.	0.	10.25	1.051	-4.	0	159			
28212 DESOA3 RESIDUA	4.	37.17	0.232	0.07	121.1	8.97	3.81	3.66	42.43	0.	-27.74	31.15	3.196	-121.	0	64			
28212 GTSOAD DISTILL	4.	1.00	0.073	0.07	9.4	0.69	0.29	0.68	9.82	0.	0.	11.48	1.178	-7.	0	58			
28212 GTSOAD DISTILL	4.	9.71	0.310	0.07	15.9	1.18	0.50	0.75	16.80	0.	-6.68	12.55	1.288	-13.	0	60			
28212 GTRA08 DISTILL	4.	1.00	0.064	0.07	10.2	0.75	0.32	0.69	9.91	0.	0.	11.68	1.198	-8.	0	58			
28212 GTRA08 DISTILL	4.	17.44	0.325	0.07	30.0	2.22	0.95	1.16	24.68	0.	-12.61	16.40	1.682	-32.	0	60			
28212 GTRA12 DISTILL	4.	1.00	0.067	0.07	10.1	0.75	0.32	0.69	9.89	0.	0.	11.64	1.195	-8.	0	58			
28212 GTRA12 DISTILL	4.	16.73	0.334	0.07	28.1	2.08	0.88	1.10	23.60	0.	-12.06	15.61	1.602	-29.	0	60			
28212 GTRA16 DISTILL	4.	1.00	0.068	0.07	10.3	0.76	0.32	0.70	9.88	0.	0.	11.66	1.196	-8.	0	58			
28212 GTRA16 DISTILL	4.	15.40	0.331	0.07	28.0	2.07	0.88	1.09	22.29	0.	-11.04	15.30	1.569	-28.	0	61			
28212 GTR208 DISTILL	4.	1.00	0.068	0.07	9.9	0.73	0.31	0.69	9.87	0.	0.	11.61	1.191	-8.	0	58			
28212 GTR208 DISTILL	4.	12.51	0.313	0.07	21.6	1.60	0.68	0.91	19.75	0.	-8.82	14.11	1.448	-21.	0	60			
28212 GTR212 DISTILL	4.	1.00	0.068	0.07	10.0	0.74	0.32	0.69	9.87	0.	0.	11.62	1.192	-8.	0	58			
28212 GTR212 DISTILL	4.	13.42	0.320	0.07	23.3	1.73	0.73	0.96	20.54	0.	-9.52	14.44	1.481	-23.	0	60			
28212 GTR216 DISTILL	4.	1.00	0.069	0.07	10.1	0.75	0.32	0.69	9.86	0.	0.	11.62	1.192	-8.	0	58			
28212 GTR216 DISTILL	4.	13.79	0.328	0.07	24.9	1.85	0.78	1.00	20.67	0.	-9.81	14.50	1.487	-24.	0	61			
28212 GTRW08 DISTILL	4.	1.00	0.054	0.07	10.2	0.76	0.32	0.70	10.02	0.	0.	11.79	1.210	-8.	0	58			
28212 GTRW08 DISTILL	4.	20.60	0.286	0.07	29.9	2.22	0.94	1.18	29.65	0.	-15.03	18.96	1.945	-40.	0	59			
20212 GTRW12 DISTILL	4.	1.00	0.059	0.07	10.2	0.76	0.32	0.70	9.96	0.	0.	11.74	1.205	-8.	0	58			
28212 GTRW12 DISTILL	4.	20.61	0.312	0.07	29.8	2.21	0.94	1.17	28.60	0.	-15.04	17.89	1.835	-37.	0	59			
28212 GTRW16 DISTILL	4.	1.00	0.061	0.07	10.4	0.77	0.33	0.70	9.95	0.	0.	11.75	1.205	-8.	0	58			
28212 GTRW16 DISTILL	4.	18.81	0.312	0.07	29.3	2.17	0.92	1.15	26.62	0.	-13.66	17.20	1.764	-34.	0	59			
28212 GTR308 DISTILL	4.	1.00	0.050	0.07	9.9	0.74	0.31	0.69	10.07	0.	0.	11.81	1.212	-8.	0	58			
28212 GTR308 DISTILL	4.	15.59	0.244	0.07	24.3	1.80	0.77	1.02	25.41	0.	-11.19	17.81	1.827	-34.	0	58			
28212 GTR312 DISTILL	4.	1.00	0.063	0.07	10.0	0.74	0.32	0.69	9.93	0.	0.	11.68	1.198	-8.	0	58			
28212 GTR312 DISTILL	4.	16.01	0.310	0.07	24.4	1.81	0.77	1.01	23.64	0.	-11.51	15.72	1.612	-27.	0	59			
28212 GTR316 DISTILL	4.	1.00	0.062	0.07	10.2	0.76	0.32	0.70	9.93	0.	0.	11.71	1.201	-8.	0	58			
28212 GTR316 DISTILL	4.	15.74	0.307	0.07	25.2	1.86	0.79	1.03	23.46	0.	-11.30	15.84	1.625	-28.	0	59			
28212 FCPADS DISTILL	4.	1.00	0.049	0.07	10.5	0.78	0.33	1.00	10.08	0.	0.	12.19	1.250	-10.	0	58			
28212 FCPADS DISTILL	4.	33.90	0.279	0.07	79.4	5.88	2.50	14.73	45.07	0.	-25.23	42.95	4.407	-140.	0	60			
28212 FCMCDS DISTILL	4.	1.00	0.065	0.07	10.7	0.79	0.34	0.97	9.90	0.	0.	12.01	1.232	-9.	0	58			
28212 FCMCDS DISTILL	4.	26.82	0.360	0.07	68.2	5.05	2.15	11.05	32.88	0.	-19.80	31.33	3.214	-98.	0	61			
28213 ONOCGN RESIDUA	55.	0.	0.	11.73	1.2	0.09	0.04	0.16	0.54	16.72	0.	17.56	1.000	0.	0	0			
28213 STM141 RESIDUA	55.	0.01	0.006	11.73	1.9	0.14	0.06	0.23	0.60	16.57	0.	17.60	1.003	-0.	0	999			
28213 STM141 COAL-FG	55.	0.01	0.006	11.73	3.2	0.25	0.10	0.37	0.35	16.57	0.	17.64	1.005	-1.	1	24			
28213 STM141 COAL-AF	55.	0.01	0.006	11.73	3.0	0.23	0.10	0.32	0.35	16.57	0.	17.57	1.001	-1.	4	15			

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC			ELEC				WORTH	%	PAY				
													15%		BACK				
28213	STM088	COAL-FG	55.	0.00	0.003	11.73	2.9	0.22	0.09	0.36	0.33	16.64	0.	17.65	1.005	-1.	0	30	
28213	STM088	COAL-AF	55.	0.00	0.003	11.73	2.8	0.21	0.09	0.32	0.33	16.64	0.	17.60	1.002	-1.	3	19	
28213	PFBSTM	COAL-PF	55.	0.02	0.011	11.73	4.6	0.35	0.15	0.40	0.39	16.40	0.	17.69	1.007	-2.	1	23	
28213	TISTMT	RESIDUA	55.	0.03	0.017	11.73	8.4	0.63	0.27	0.41	0.72	16.26	0.	18.29	1.042	-6.	0	116	
28213	TISTMT	COAL	55.	0.03	0.017	11.73	10.7	0.81	0.34	0.57	0.42	16.26	0.	18.41	1.048	-7.	0	691	
28213	TIHRSG	RESIDUA	55.	0.02	0.007	11.73	8.2	0.61	0.26	0.33	0.75	16.40	0.	18.34	1.045	-6.	0	86	
28213	TIHRSG	COAL	55.	0.02	0.007	11.73	10.6	0.80	0.34	0.49	0.43	16.40	0.	18.47	1.052	-7.	0	149	
28213	STIRL	DISTILL	55.	0.04	0.016	11.73	2.0	0.15	0.06	0.21	1.13	16.06	0.	17.62	1.004	-1.	0	999	
28213	STIRL	RESIDUA	55.	0.04	0.016	11.73	2.0	0.15	0.06	0.21	0.92	16.06	0.	17.41	0.992	0.	16	6	
28213	STIRL	COAL	55.	0.04	0.016	11.73	3.9	0.29	0.12	0.36	0.54	16.06	0.	17.37	0.990	-1.	10	9	
28213	HEGT60	COAL-AF	55.	0.11	0.006	11.73	17.8	1.35	0.57	0.73	1.32	14.90	0.	18.67	1.075	-12.	0	999	
28213	HEGT00	COAL-AF	55.	0.03	0.006	11.73	7.7	0.59	0.25	0.38	0.57	16.19	0.	17.97	1.024	-4.	0	999	
28213	FCMCCL	COAL	55.	0.05	0.028	11.73	8.9	0.69	0.29	0.49	0.57	15.81	0.	17.85	1.017	-5.	1	23	
28213	FCSTCL	COAL	55.	0.07	0.037	11.73	9.9	0.77	0.33	0.60	0.62	15.56	0.	17.88	1.018	-5.	1	22	
28213	IGGTST	COAL	55.	0.05	0.018	11.73	8.8	0.69	0.29	0.54	0.58	15.95	0.	18.05	1.028	-5.	0	939	
28213	GTSCAR	RESIDUA	55.	0.06	0.025	11.73	3.3	0.24	0.10	0.23	1.16	15.68	0.	17.42	0.992	-1.	10	9	
28213	GTAC08	RESIDUA	55.	0.04	0.023	11.73	2.4	0.18	0.07	0.19	0.89	15.98	0.	17.32	0.936	0.	18	6	
28213	GTAC12	RESIDUA	55.	0.06	0.028	11.73	2.6	0.20	0.08	0.21	0.99	15.78	0.	17.26	0.983	0.	17	6	
28213	GTAC16	RESIDUA	55.	0.06	0.032	11.73	3.0	0.22	0.09	0.22	1.08	15.64	0.	17.26	0.983	0.	16	6	
28213	GTWC16	RESIDUA	55.	0.07	0.030	11.73	3.3	0.24	0.10	0.23	1.13	15.62	0.	17.33	0.987	-0.	12	7	
28213	CC1626	RESIDUA	55.	0.09	0.039	11.73	4.0	0.30	0.13	0.34	1.37	15.23	0.	17.36	0.989	-1.	10	9	
28213	CC1622	RESIDUA	55.	0.08	0.037	11.73	3.5	0.26	0.11	0.32	1.25	15.39	0.	17.33	0.987	-0.	11	8	
28213	CC1222	RESIDUA	55.	0.08	0.037	11.73	3.3	0.25	0.11	0.31	1.24	15.40	0.	17.31	0.986	-0.	12	7	
28213	CC0822	RESIDUA	55.	0.06	0.031	11.73	3.0	0.23	0.10	0.29	1.05	15.69	0.	17.36	0.989	-0.	12	8	
28213	DEADV3	RESIDUA	55.	0.19	0.056	11.73	8.4	0.62	0.26	0.45	2.70	13.62	0.	17.65	1.005	-4.	4	16	
28213	DEHTPM	RESIDUA	55.	0.06	0.026	11.73	4.8	0.36	0.15	0.32	1.07	15.75	0.	17.66	1.006	-2.	2	20	
28213	DESOA3	DISTILL	55.	0.23	0.056	11.73	10.9	0.81	0.34	0.53	4.14	12.95	0.	18.76	1.069	-8.	0	79	
28213	DESOA3	RESIDUA	55.	0.23	0.056	11.73	10.9	0.81	0.34	0.53	3.37	12.95	0.	18.00	1.025	-6.	0	28	
28213	GTSCAD	DISTILL	55.	0.05	0.026	11.73	2.5	0.18	0.08	0.20	1.24	15.81	0.	17.51	0.998	-0.	7	10	
28213	GTRA08	DISTILL	55.	0.10	0.041	11.73	4.6	0.34	0.14	0.28	1.90	15.01	0.	17.67	1.006	-2.	2	22	
28213	GTRA12	DISTILL	55.	0.10	0.041	11.73	4.3	0.32	0.14	0.27	1.80	15.10	0.	17.62	1.004	-2.	3	17	
28213	GTRA16	DISTILL	55.	0.09	0.038	11.73	4.3	0.32	0.14	0.27	1.69	15.24	0.	17.65	1.005	-2.	2	20	
28213	GTR208	DISTILL	55.	0.07	0.031	11.73	3.4	0.25	0.11	0.24	1.48	15.53	0.	17.60	1.003	-1.	3	17	
28213	GTR212	DISTILL	55.	0.08	0.033	11.73	3.7	0.27	0.12	0.24	1.54	15.44	0.	17.61	1.003	-1.	3	18	
28213	GTR216	DISTILL	55.	0.08	0.035	11.73	3.8	0.28	0.12	0.25	1.55	15.40	0.	17.60	1.003	-1.	3	17	
28213	GTRW08	DISTILL	55.	0.12	0.041	11.73	5.1	0.38	0.16	0.30	2.27	14.71	0.	17.82	1.015	-3.	0	999	
28213	GTRW12	DISTILL	55.	0.12	0.045	11.73	5.1	0.38	0.16	0.30	2.17	14.73	0.	17.73	1.010	-2.	0	28	
28213	GTRW16	DISTILL	55.	0.11	0.042	11.73	5.0	0.37	0.16	0.29	2.00	14.92	0.	17.74	1.010	-2.	0	29	
28213	GTR308	DISTILL	55.	0.09	0.028	11.73	4.0	0.29	0.12	0.26	1.93	15.21	0.	17.82	1.015	-2.	0	135	
28213	GTR312	DISTILL	55.	0.09	0.037	11.73	4.1	0.30	0.13	0.26	1.76	15.20	0.	17.65	1.006	-2.	2	22	
28213	GTR316	DISTILL	55.	0.09	0.036	11.73	4.2	0.31	0.13	0.26	1.74	15.23	0.	17.69	1.007	-2.	0	26	
28213	FCPADS	DISTILL	55.	0.19	0.060	11.73	7.0	0.52	0.22	1.20	3.32	13.54	0.	18.79	1.070	-7.	0	69	
28213	FCMCDS	DISTILL	55.	0.15	0.064	11.73	5.9	0.44	0.19	0.91	2.42	14.20	0.	18.16	1.034	-4.	0	114	

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
28221 STM141 RESIDUA	8.	0.28	0.117	0.73	3.4	0.26	0.11	0.32	1.43	1.63	0.	3.76	0.965	-0.	11	8			
28221 STM141 COAL-FG	8.	0.28	0.117	0.73	6.1	0.47	0.20	0.54	0.83	1.63	0.	3.67	0.942	-1.	9	10			
28221 STM141 COAL-AF	8.	0.28	0.117	0.73	5.3	0.40	0.17	0.48	0.83	1.63	0.	3.51	0.902	-0.	12	8			
28221 STM088 RESIDUA	8.	0.21	0.085	0.73	2.9	0.22	0.10	0.31	1.36	1.81	0.	3.80	0.976	-0.	11	8			
28221 STM088 COAL-FG	8.	0.21	0.085	0.73	5.6	0.43	0.18	0.52	0.79	1.81	0.	3.73	0.957	-1.	8	10			
28221 STM088 COAL-AF	8.	0.21	0.085	0.73	5.0	0.38	0.16	0.46	0.79	1.81	0.	3.60	0.924	-1.	11	8			
28221 PFBSTM COAL-PF	8.	0.46	0.186	0.73	8.1	0.61	0.26	0.63	0.93	1.23	0.	3.66	0.940	-2.	8	10			
28221 TISTMT RESIDUA	8.	0.62	0.249	0.73	16.0	1.22	0.52	0.66	1.73	0.88	0.	5.00	1.284	-10.	0	999			
28221 TISTMT COAL	8.	0.62	0.249	0.73	20.4	1.55	0.66	0.92	1.00	0.88	0.	5.01	1.288	-12.	0	999			
28221 TIHRSG RESIDUA	8.	0.29	0.093	0.73	13.8	1.03	0.44	0.51	1.54	1.61	0.	5.12	1.314	-9.	0	100			
28221 TIHRSG COAL	8.	0.29	0.093	0.73	17.9	1.36	0.58	0.75	0.89	1.61	0.	5.18	1.332	-12.	0	999			
28221 STIRL DISTILL	8.	0.75	0.222	0.73	4.4	0.33	0.14	0.33	2.62	0.57	0.	3.99	1.024	-1.	1	24			
28221 STIRL RESIDUA	8.	0.75	0.222	0.73	4.4	0.33	0.14	0.33	2.14	0.57	0.	3.50	0.900	0.	15	6			
28221 STIRL COAL	8.	0.75	0.222	0.73	7.6	0.56	0.24	0.57	1.24	0.57	0.	3.18	0.817	-0.	13	7			
28221 HEGT85 COAL-AF	8.	1.00	0.126	0.73	24.2	1.84	0.78	1.14	1.77	0.	0.	5.53	1.420	-16.	0	999			
28221 HEGT85 COAL-AF	8.	2.75	0.160	0.73	42.6	3.33	1.37	1.57	3.66	0.	-2.40	7.43	1.909	-31.	0	***			
28221 HEGT60 COAL-AF	8.	1.00	0.148	0.73	21.9	1.66	0.71	1.00	1.72	0.	0.	5.09	1.307	-13.	0	999			
28221 HEGT60 COAL-AF	8.	1.12	0.153	0.73	22.5	1.71	0.73	0.90	1.85	0.	-0.17	5.02	1.289	-13.	0	999			
28221 HEGT00 COAL-AF	8.	0.49	0.077	0.73	12.9	0.98	0.42	0.59	1.18	1.17	0.	4.34	1.114	-7.	1	24			
28221 FCMCCL COAL	8.	0.88	0.309	0.73	15.3	1.19	0.51	0.80	1.23	0.28	0.	4.01	1.030	-7.	4	15			
28221 FCSTCL COAL	8.	1.00	0.366	0.73	17.2	1.33	0.57	1.08	1.28	0.	0.	4.27	1.095	-9.	3	18			
28221 FCSTCL COAL	8.	1.34	0.400	0.73	18.5	1.44	0.61	1.02	1.48	0.	-0.46	4.09	1.051	-9.	4	15			
28221 IGGTST COAL	8.	0.93	0.271	0.73	15.9	1.24	0.53	0.81	1.38	0.16	0.	4.12	1.057	-8.	4	15			
28221 GTSCAR RESIDUA	8.	0.92	0.277	0.73	5.4	0.40	0.17	0.32	2.33	0.19	0.	3.41	0.875	-0.	14	7			
28221 GTAC06 RESIDUA	8.	0.72	0.252	0.73	4.1	0.30	0.13	0.28	1.96	0.64	0.	3.31	0.851	1.	21	5			
28221 GTAC12 RESIDUA	8.	0.90	0.311	0.73	4.6	0.34	0.14	0.30	2.16	0.24	0.	3.18	0.817	1.	21	5			
28221 GTAC16 RESIDUA	8.	1.00	0.342	0.73	5.2	0.39	0.16	0.36	2.29	0.	0.	3.21	0.824	1.	18	6			
28221 GTAC16 RESIDUA	8.	1.01	0.343	0.73	5.2	0.38	0.16	0.32	2.31	0.	-0.02	3.15	0.810	1.	19	5			
28221 GTWC16 RESIDUA	8.	1.00	0.309	0.73	5.7	0.42	0.18	0.40	2.41	0.	0.	3.41	0.876	-0.	14	7			
28221 GTWC16 RESIDUA	8.	1.07	0.315	0.73	5.6	0.42	0.18	0.33	2.49	0.	-0.09	3.33	0.854	0.	15	6			
28221 CC1626 RESIDUA	8.	1.00	0.305	0.73	6.3	0.48	0.20	0.55	2.42	0.	0.	3.65	0.939	-1.	9	10			
28221 CC1626 RESIDUA	8.	1.68	0.354	0.73	7.6	0.58	0.25	0.50	3.26	0.	-0.94	3.65	0.937	-2.	8	10			
28221 CC1622 RESIDUA	8.	1.00	0.320	0.73	6.0	0.46	0.19	0.53	2.37	0.	0.	3.55	0.912	-1.	10	8			
28221 CC1622 RESIDUA	8.	1.52	0.362	0.73	6.9	0.52	0.22	0.47	2.98	0.	-0.71	3.48	0.895	-1.	10	8			
28221 CC1222 RESIDUA	8.	1.00	0.323	0.73	5.8	0.44	0.19	0.53	2.36	0.	0.	3.51	0.902	-1.	11	8			
28221 CC1222 RESIDUA	8.	1.51	0.365	0.73	6.5	0.50	0.21	0.46	2.95	0.	-0.70	3.43	0.880	-1.	12	8			
28221 CC0822 RESIDUA	8.	1.00	0.346	0.73	5.8	0.44	0.19	0.51	2.28	0.	0.	3.41	0.875	-0.	13	7			
28221 CC0822 RESIDUA	8.	1.20	0.367	0.73	5.9	0.44	0.19	0.43	2.50	0.	-0.27	3.29	0.844	0.	15	7			
28221 STIG15 RESIDUA	8.	1.00	0.114	0.73	6.7	0.50	0.21	0.57	3.08	0.	0.	4.36	1.120	-4.	0	182			
28221 STIG15 RESIDUA	8.	40.08	0.171	0.73	90.2	6.68	2.84	5.31	77.38	0.	-53.48	38.72	9.944	-151.	0	59			
28221 STIG10 RESIDUA	8.	1.00	0.164	0.73	6.2	0.46	0.20	0.53	2.91	0.	0.	4.10	1.052	-3.	0	29			
28221 STIG10 RESIDUA	8.	3.71	0.218	0.73	11.7	0.87	0.37	0.73	7.59	0.	-3.70	5.86	1.504	-11.	0	64			
28221 STIG15 RESIDUA	8.	1.00	0.186	0.73	5.9	0.44	0.19	0.52	2.83	0.	0.	3.98	1.022	-2.	3	18			

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVENUE TOTAL NORML	PRESNT ROI		GROSS														
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC	ELEC	WORTH	%	PAY									
		MW	REQD					15%		BACK									
28221 DEADV3 RESIDUA	8.	1.00	0.236	0.73	8.4	0.62	0.26	0.57	2.66	0.	0.	4.11	1.055	-4.	2	22			
28221 DEADV3 RESIDUA	8.	2.34	0.293	0.73	12.4	0.92	0.39	0.60	4.64	0.	-1.33	4.72	1.212	-7.	0	999			
28221 DEHTPM RESIDUA	8.	1.00	0.351	0.73	7.8	0.58	0.25	0.53	2.26	0.	0.	3.61	0.928	-2.	8	10			
28221 DEHTPM RESIDUA	8.	1.07	0.359	0.73	7.8	0.58	0.25	0.46	2.34	0.	-0.10	3.52	0.905	-2.	9	9			
28221 DESOA3 DISTILL	8.	1.00	0.201	0.73	8.3	0.61	0.26	0.57	3.41	0.	0.	4.86	1.247	-6.	0	71			
28221 DESOA3 DISTILL	8.	2.70	0.256	0.73	17.4	1.29	0.55	0.75	6.74	0.	-2.33	7.00	1.799	-17.	0	63			
28221 DESOA3 RESIDUA	8.	1.00	0.201	0.73	8.3	0.61	0.26	0.57	2.78	0.	0.	4.23	1.086	-4.	0	999			
28221 DESOA3 RESIDUA	8.	2.70	0.256	0.73	17.4	1.29	0.55	0.75	5.50	0.	-2.33	5.76	1.480	-13.	0	81			
28221 GTSOAD DISTILL	8.	0.86	0.285	0.73	4.2	0.31	0.13	0.29	2.66	0.32	0.	3.71	0.953	-0.	11	8			
28221 GTRA08 DISTILL	8.	1.00	0.310	0.73	6.5	0.48	0.20	0.46	2.94	0.	0.	4.09	1.049	-3.	1	26			
28221 GTRA08 DISTILL	8.	1.40	0.344	0.73	7.1	0.53	0.22	0.38	3.55	0.	-0.55	4.13	1.061	-3.	0	28			
28221 GTRA12 DISTILL	8.	1.00	0.317	0.73	6.4	0.48	0.20	0.45	2.91	0.	0.	4.05	1.039	-3.	2	22			
28221 GTRA12 DISTILL	8.	1.38	0.350	0.73	7.0	0.52	0.22	0.36	3.47	0.	-0.51	4.07	1.046	-3.	1	22			
28221 GTRA16 DISTILL	8.	1.00	0.319	0.73	6.7	0.49	0.21	0.45	2.91	0.	0.	4.07	1.044	-3.	1	23			
28221 GTRA16 DISTILL	8.	1.29	0.345	0.73	7.1	0.53	0.22	0.38	3.33	0.	-0.39	4.06	1.043	-3.	2	21			
28221 GTR208 DISTILL	8.	1.00	0.317	0.73	5.7	0.42	0.18	0.40	2.91	0.	0.	3.92	1.007	-2.	4	14			
28221 GTR208 DISTILL	8.	1.07	0.325	0.73	5.7	0.42	0.18	0.33	3.02	0.	-0.10	3.85	0.989	-2.	6	12			
28221 GTR212 DISTILL	8.	1.00	0.316	0.73	6.0	0.45	0.19	0.43	2.92	0.	0.	3.98	1.023	-2.	3	18			
28221 GTR212 DISTILL	8.	1.15	0.330	0.73	6.1	0.45	0.19	0.35	3.14	0.	-0.20	3.93	1.008	-2.	4	15			
28221 GTR216 DISTILL	8.	1.00	0.322	0.73	6.2	0.46	0.20	0.43	2.89	0.	0.	3.98	1.023	-2.	3	18			
28221 GTR216 DISTILL	8.	1.18	0.340	0.73	6.4	0.47	0.20	0.36	3.15	0.	-0.24	3.93	1.010	-2.	4	15			
28221 GTRW08 DISTILL	8.	1.00	0.261	0.73	6.7	0.50	0.21	0.48	3.16	0.	0.	4.34	1.114	-4.	0	206			
28221 GTRW08 DISTILL	8.	1.68	0.302	0.73	8.0	0.59	0.25	0.42	4.31	0.	-0.93	4.65	1.194	-5.	0	78			
28221 GTRW12 DISTILL	8.	1.00	0.278	0.73	6.7	0.50	0.21	0.48	3.08	0.	0.	4.26	1.095	-3.	0	999			
28221 GTRW12 DISTILL	8.	1.71	0.324	0.73	8.1	0.60	0.25	0.42	4.24	0.	-0.96	4.54	1.167	-5.	0	97			
28221 GTRW16 DISTILL	8.	1.00	0.282	0.73	6.9	0.51	0.22	0.48	3.07	0.	0.	4.27	1.097	-3.	0	999			
28221 GTRW16 DISTILL	8.	1.59	0.323	0.73	8.1	0.60	0.25	0.42	4.02	0.	-0.81	4.48	1.150	-5.	0	132			
28221 GTR308 DISTILL	8.	1.00	0.244	0.73	6.1	0.45	0.19	0.45	3.23	0.	0.	4.32	1.108	-3.	0	121			
28221 GTR308 DISTILL	8.	1.28	0.263	0.73	6.4	0.47	0.20	0.37	3.73	0.	-0.39	4.38	1.126	-4.	0	89			
28221 GTR312 DISTILL	8.	1.00	0.286	0.73	6.2	0.46	0.20	0.45	3.05	0.	0.	4.16	1.068	-3.	0	999			
28221 GTR312 DISTILL	8.	1.40	0.316	0.73	6.8	0.50	0.21	0.38	3.68	0.	-0.54	4.23	1.086	-3.	0	999			
28221 GTR316 DISTILL	8.	1.00	0.284	0.73	6.5	0.48	0.20	0.46	3.05	0.	0.	4.20	1.078	-3.	0	999			
28221 GTR316 DISTILL	8.	1.37	0.313	0.73	7.0	0.52	0.22	0.38	3.66	0.	-0.51	4.27	1.096	-4.	0	999			
28221 FCPADS DISTILL	8.	1.00	0.215	0.73	6.7	0.49	0.21	1.06	3.35	0.	0.	5.12	1.314	-6.	0	65			
28221 FCPADS DISTILL	8.	3.06	0.279	0.73	14.5	1.08	0.46	2.51	7.25	0.	-2.92	8.48	2.177	-21.	0	61			
28221 FCMCDS DISTILL	8.	1.03	0.203	0.73	6.9	0.51	0.22	1.01	3.04	0.	0.	4.78	1.228	-5.	0	74			
28221 FCMCDS DISTILL	8.	2.42	0.360	0.73	12.4	0.92	0.39	1.90	5.29	0.	-1.94	6.55	1.682	-13.	0	64			
28241 ONOCGN RESIDUA	32.	0.	0.	3.64	1.8	0.13	0.06	0.21	1.01	9.73	0.	11.14	1.000	0.	0	0			
28241 STM141 RESIDUA	32.	0.04	0.022	3.64	2.9	0.22	0.09	0.30	1.16	9.34	0.	11.11	0.997	-0.	7	11			
28241 STM141 COAL-FG	32.	0.04	0.022	3.64	5.2	0.39	0.17	0.49	0.67	9.34	0.	11.07	0.993	-1.	6	12			
28241 STM141 COAL-AF	32.	0.04	0.022	3.64	4.5	0.34	0.15	0.43	0.67	9.34	0.	10.94	0.982	-1.	10	9			
28241 STM088 RESIDUA	32.	0.03	0.014	3.64	2.4	0.18	0.08	0.28	1.11	9.48	0.	11.14	1.000	-0.	5	13			
28241 STM088 COAL-FG	32.	0.03	0.014	3.64	4.7	0.36	0.15	0.47	0.64	9.48	0.	11.11	0.997	-1.	6	12			

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC													
28241	PFBSTM	COAL-PF	32.	0.07	0.040	3.64	7.0	0.53	0.22	0.56	0.76	9.01	0.	11.08	0.995	-2.	6	12	
28241	TISTMT	RESIDUA	32.	0.10	0.057	3.64	13.6	1.03	0.44	0.58	1.40	8.73	0.	12.19	1.094	-9.	0	407	
28241	TISTMT	COAL	32.	0.10	0.057	3.64	17.4	1.32	0.56	0.82	0.82	8.73	0.	12.25	1.099	-11.	0	999	
28241	TIHRSG	RESIDUA	32.	0.06	0.023	3.64	12.7	0.94	0.40	0.47	1.36	9.14	0.	12.31	1.105	-9.	0	92	
28241	TIHRSG	COAL	32.	0.06	0.023	3.64	16.4	1.24	0.53	0.70	0.79	9.14	0.	12.40	1.113	-11.	0	999	
28241	STIRL	DISTILL	32.	0.14	0.054	3.64	3.7	0.27	0.12	0.30	2.17	8.40	0.	11.26	1.011	-1.	0	999	
28241	STIRL	RESIDUA	32.	0.14	0.054	3.64	3.7	0.27	0.12	0.30	1.77	8.40	0.	10.86	0.975	-0.	14	7	
28241	STIRL	COAL	32.	0.14	0.054	3.64	6.5	0.48	0.21	0.51	1.03	8.40	0.	10.63	0.954	-1.	12	8	
28241	HEGT60	COAL-AF	32.	0.28	0.033	3.64	23.8	1.81	0.77	0.95	2.00	6.96	0.	12.49	1.121	-15.	0	999	
28241	HEGT00	COAL-AF	32.	0.10	0.019	3.64	11.9	0.90	0.38	0.55	1.04	8.75	0.	11.62	1.043	-6.	0	28	
28241	FCMCCL	COAL	32.	0.18	0.085	3.64	13.8	1.07	0.46	0.73	1.06	8.01	0.	11.32	1.016	-7.	4	16	
28241	FCSTCL	COAL	32.	0.24	0.120	3.64	15.9	1.23	0.52	0.89	1.21	7.39	0.	11.24	1.009	-7.	4	14	
28241	IGGTST	COAL	32.	0.16	0.063	3.64	13.7	1.07	0.45	0.73	1.12	8.15	0.	11.52	1.034	-7.	2	20	
28241	GTSOAR	RESIDUA	32.	0.19	0.076	3.64	5.0	0.37	0.16	0.31	2.10	7.85	0.	10.78	0.968	-0.	12	7	
28241	GTAC08	RESIDUA	32.	0.14	0.070	3.64	3.8	0.28	0.12	0.26	1.67	8.33	0.	10.66	0.957	1.	20	5	
28241	GTAC12	RESIDUA	32.	0.18	0.086	3.64	4.2	0.31	0.13	0.28	1.86	7.97	0.	10.56	0.947	1.	20	5	
28241	GTAC16	RESIDUA	32.	0.21	0.095	3.64	4.7	0.35	0.15	0.30	2.01	7.71	0.	10.53	0.945	1.	16	6	
28241	GTWC16	RESIDUA	32.	0.21	0.091	3.64	5.1	0.38	0.16	0.31	2.13	7.65	0.	10.63	0.954	0.	15	7	
28241	CC1626	RESIDUA	32.	0.31	0.126	3.64	6.4	0.49	0.21	0.45	2.65	6.75	0.	10.54	0.946	-0.	13	7	
28241	CC1622	RESIDUA	32.	0.27	0.119	3.64	5.7	0.44	0.19	0.42	2.42	7.06	0.	10.52	0.944	0.	15	7	
28241	CC1222	RESIDUA	32.	0.27	0.119	3.64	5.4	0.41	0.18	0.42	2.40	7.08	0.	10.48	0.941	0.	16	6	
28241	CC0822	RESIDUA	32.	0.21	0.100	3.64	4.9	0.37	0.16	0.39	2.03	7.65	0.	10.59	0.951	0.	16	6	
28241	STIG15	RESIDUA	32.	1.00	0.157	3.64	14.8	1.10	0.47	1.08	9.12	0.	0.	11.77	1.056	-8.	0	29	
28241	STIG15	RESIDUA	32.	8.05	0.171	3.64	76.8	5.69	2.42	4.60	66.32	0.	-41.18	37.85	3.397	-119.	0	59	
28241	STIG10	RESIDUA	32.	0.74	0.167	3.64	10.5	0.78	0.33	0.66	6.51	2.48	0.	10.76	0.966	-3.	8	10	
28241	STIG15	RESIDUA	32.	0.44	0.112	3.64	7.2	0.53	0.23	0.49	4.09	5.48	0.	10.82	0.971	-2.	9	9	
28241	DEADV3	RESIDUA	32.	0.54	0.161	3.64	12.3	0.91	0.39	0.60	4.58	4.46	0.	10.93	0.981	-4.	6	11	
28241	DEHTPM	RESIDUA	32.	0.20	0.088	3.64	7.2	0.53	0.23	0.43	2.02	7.79	0.	10.99	0.986	-2.	7	11	
28241	DESOA3	DISTILL	32.	0.64	0.160	3.64	17.7	1.31	0.56	0.76	6.86	3.47	0.	12.95	1.162	-13.	0	87	
28241	DESOA3	RESIDUA	32.	0.64	0.160	3.64	17.7	1.31	0.56	0.76	5.60	3.47	0.	11.69	1.049	-9.	1	22	
28241	GTSCAD	DISTILL	32.	0.18	0.078	3.64	3.9	0.29	0.12	0.27	2.31	8.02	0.	11.02	0.939	-1.	9	9	
28241	GTRA08	DISTILL	32.	0.31	0.123	3.64	6.8	0.50	0.21	0.37	3.32	6.73	0.	11.14	1.000	-2.	5	13	
28241	GTRA12	DISTILL	32.	0.30	0.122	3.64	6.7	0.49	0.21	0.36	3.19	6.84	0.	11.10	0.996	-2.	6	12	
28241	GTRA16	DISTILL	32.	0.27	0.114	3.64	6.7	0.50	0.21	0.36	3.03	7.06	0.	11.15	1.001	-2.	5	14	
28241	GTR208	DISTILL	32.	0.22	0.094	3.64	5.3	0.39	0.17	0.32	2.70	7.55	0.	11.12	0.998	-2.	5	13	
28241	GTR212	DISTILL	32.	0.24	0.100	3.64	5.7	0.42	0.18	0.33	2.80	7.39	0.	11.12	0.998	-2.	5	13	
28241	GTR216	DISTILL	32.	0.25	0.105	3.64	5.9	0.44	0.19	0.34	2.82	7.33	0.	11.11	0.997	-2.	5	13	
28241	GTRW08	DISTILL	32.	0.37	0.123	3.64	7.6	0.57	0.24	0.41	4.00	6.18	0.	11.39	1.022	-4.	0	26	
28241	GTRW12	DISTILL	32.	0.37	0.134	3.64	7.6	0.57	0.24	0.40	3.88	6.16	0.	11.25	1.009	-3.	3	17	
28241	GTRW16	DISTILL	32.	0.34	0.125	3.64	7.6	0.56	0.24	0.40	3.62	6.46	0.	11.27	1.012	-3.	3	18	
28241	GTR308	DISTILL	32.	0.28	0.086	3.64	6.1	0.45	0.19	0.35	3.44	7.03	0.	11.47	1.029	-3.	0	999	
28241	GTR312	DISTILL	32.	0.29	0.111	3.64	6.3	0.46	0.20	0.36	3.24	6.93	0.	11.18	1.004	-2.	4	15	
28241	GTR316	DISTILL	32.	0.28	0.108	3.64	6.5	0.48	0.20	0.36	3.22	6.97	0.	11.24	1.008	-2.	3	17	

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100										
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																				
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS																		
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC														
		MW	REQD																	
28241 FCMCDS	DISTILL	32.	0.49	0.192	3.64	10.7	0.80	0.34	1.64	4.54	5.00	0.	12.31	1.105	-8.	0	108			
28242 ONOCGN	RESIDUA	11.	0.	0.	1.63	1.5	0.11	0.05	0.19	0.86	3.71	0.	4.92	1.300	0.	0	0			
28242 STM141	RESIDUA	11.	0.17	0.085	1.63	2.9	0.22	0.09	0.29	1.10	3.09	0.	4.78	0.972	-0.	12	8			
28242 STM141	COAL-FG	11.	0.17	0.085	1.63	4.9	0.37	0.16	0.47	0.64	3.09	0.	4.72	0.960	-1.	9	9			
28242 STM141	COAL-AF	11.	0.17	0.085	1.63	4.4	0.33	0.14	0.41	0.64	3.09	0.	4.61	0.938	-0.	12	8			
28242 STM088	RESIDUA	11.	0.13	0.066	1.63	2.4	0.19	0.08	0.27	1.05	3.23	0.	4.81	0.977	-0.	12	8			
28242 STM088	COAL-FG	11.	0.13	0.066	1.63	4.5	0.34	0.14	0.45	0.61	3.23	0.	4.76	0.968	-1.	8	10			
28242 STM088	COAL-AF	11.	0.13	0.066	1.63	4.1	0.31	0.13	0.40	0.61	3.23	0.	4.68	0.951	-1.	11	8			
28242 PFBSTM	COAL-PF	11.	0.25	0.125	1.63	6.5	0.50	0.21	0.53	0.71	2.78	0.	4.73	0.961	-2.	8	10			
28242 TISTMT	RESIDUA	11.	0.32	0.162	1.63	12.4	0.94	0.40	0.54	1.33	2.51	0.	5.72	1.162	-8.	0	999			
28242 TISTMT	COAL	11.	0.32	0.162	1.63	15.8	1.20	0.51	0.76	0.77	2.51	0.	5.74	1.167	-9	0	999			
28242 TIHRSG	RESIDUA	11.	0.13	0.055	1.63	10.0	0.74	0.31	0.39	1.09	3.23	0.	5.77	1.172	-7.	0	108			
28242 TIHRSG	COAL	11.	0.13	0.055	1.63	12.9	0.98	0.42	0.58	0.63	3.23	0.	5.84	1.187	-8.	0	999			
28242 STIRL	DISTILL	11.	0.36	0.135	1.63	3.1	0.23	0.10	0.27	1.97	2.36	0.	4.92	1.000	-1.	5	13			
28242 STIRL	RESIDUA	11.	0.36	0.135	1.63	3.1	0.23	0.10	0.27	1.60	2.36	0.	4.56	0.926	0.	19	5			
28242 STIRL	COAL	11.	0.36	0.135	1.63	5.6	0.41	0.18	0.46	0.93	2.36	0.	4.34	0.882	-0.	14	7			
28242 HEGT85	COAL-AF	11.	0.81	0.190	1.63	23.4	1.78	0.76	0.90	1.75	0.72	0.	5.90	1.200	-14.	0	27			
28242 HEGT60	COAL-AF	11.	0.43	0.104	1.63	15.2	1.15	0.49	0.64	1.17	2.10	0.	5.54	1.126	-9.	0	27			
28242 HEGT00	COAL-AF	11.	0.21	0.047	1.63	9.4	0.71	0.30	0.45	0.83	2.93	0.	5.23	1.063	-5.	1	24			
28242 FCMCCL	COAL	11.	0.39	0.171	1.63	11.4	0.89	0.38	0.62	0.90	2.26	0.	5.04	1.024	-5.	4	15			
28242 FCSTCL	COAL	11.	0.67	0.301	1.63	14.5	1.13	0.48	0.83	1.14	1.24	0.	4.82	0.979	-6.	5	13			
28242 IGGTST	COAL	11.	0.47	0.174	1.63	12.6	0.98	0.42	0.69	1.06	1.95	0.	5.11	1.038	-6.	4	16			
28242 GTSOAR	RESIDUA	11.	0.40	0.154	1.63	3.9	0.29	0.12	0.26	1.63	2.24	0.	4.55	0.924	0.	15	6			
28242 GTAC08	RESIDUA	11.	0.32	0.139	1.63	3.0	0.23	0.10	0.23	1.44	2.51	0.	4.49	0.914	1.	21	5			
28242 GTAC12	RESIDUA	11.	0.40	0.172	1.63	3.4	0.25	0.11	0.24	1.56	2.23	0.	4.39	0.892	1.	22	5			
28242 GTAC16	RESIDUA	11.	0.44	0.191	1.63	3.7	0.28	0.12	0.25	1.65	2.06	0.	4.35	0.885	1.	20	5			
28242 GTWC16	RESIDUA	11.	0.48	0.181	1.63	4.2	0.31	0.13	0.27	1.82	1.94	0.	4.46	0.908	0.	16	6			
28242 CC1626	RESIDUA	11.	0.83	0.316	1.63	6.0	0.46	0.19	0.43	2.51	0.63	0.	4.22	0.857	0.	15	7			
28242 CC1622	RESIDUA	11.	0.75	0.298	1.63	5.3	0.41	0.17	0.40	2.28	0.94	0.	4.20	0.854	0.	16	6			
28242 CC1222	RESIDUA	11.	0.75	0.300	1.63	5.1	0.39	0.17	0.40	2.27	0.94	0.	4.16	0.846	1.	17	6			
28242 CC0822	RESIDUA	11.	0.60	0.259	1.63	4.7	0.35	0.15	0.37	1.92	1.48	0.	4.27	0.869	0.	17	6			
28242 STIG15	RESIDUA	11.	1.00	0.141	1.63	7.6	0.56	0.24	0.64	3.95	0.	0.	5.39	1.097	-4.	0	999			
28242 STIG15	RESIDUA	11.	17.36	0.171	1.63	59.2	4.38	1.86	3.79	56.38	0.	-37.74	28.68	5.830	-102.	0	59			
28242 STIG10	RESIDUA	11.	1.00	0.201	1.63	6.8	0.51	0.22	0.55	3.67	0.	0.	4.95	1.006	-3.	4	14			
28242 STIG10	RESIDUA	11.	1.66	0.218	1.63	8.6	0.64	0.27	0.57	5.53	0.	-1.47	5.55	1.128	-5.	0	***			
28242 STIG1S	RESIDUA	11.	0.97	0.223	1.63	6.0	0.44	0.19	0.43	3.48	0.09	0.	4.63	0.941	-1.	10	9			
28242 DEADVP3	RESIDUA	11.	0.93	0.292	1.63	8.4	0.62	0.26	0.45	3.01	0.25	0.	4.59	0.934	-2.	8	10			
28242 DEHTPM	RESIDUA	11.	0.50	0.231	1.63	5.9	0.44	0.19	0.37	1.68	1.84	0.	4.52	0.919	-1.	11	8			
28242 DESOA3	DISTILL	11.	1.00	0.270	1.63	9.9	0.73	0.31	0.55	4.12	0.	0.	5.72	1.162	-6.	0	165			
28242 DESOA3	DISTILL	11.	1.05	0.273	1.63	10.2	0.75	0.32	0.51	4.28	0.	-0.12	5.74	1.168	-7.	0	148			
28242 DESOA3	RESIDUA	11.	1.00	0.270	1.63	9.9	0.73	0.31	0.55	3.36	0.	0.	4.96	1.008	-4.	4	14			
28242 DESOA3	RESIDUA	11.	1.05	0.273	1.63	10.2	0.75	0.32	0.51	3.49	0.	-0.12	4.96	1.007	-4.	4	14			
28242 GTSOAS	DISTILL	11.	0.38	0.158	1.63	3.1	0.23	0.10	0.24	1.90	2.30	0.	4.77	0.969	-0.	11	8			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
														15%					
28242 GTRA12	DISTILL	11.	0.59	0.238	1.63	5.0	0.37	0.16	0.30	2.40	1.54	0.	4.76	0.968	-1.	8	10		
28242 GTRA16	DISTILL	11.	0.55	0.225	1.63	5.1	0.38	0.16	0.30	2.32	1.66	0.	4.82	0.980	-1.	7	11		
28242 GTR208	DISTILL	11.	0.46	0.187	1.63	4.1	0.30	0.13	0.27	2.12	1.99	0.	4.81	0.979	-1.	8	10		
28242 GTR212	DISTILL	11.	0.50	0.200	1.63	4.4	0.33	0.14	0.28	2.21	1.86	0.	4.82	0.980	-1.	7	10		
28242 GTR308	DISTILL	11.	0.51	0.208	1.63	4.6	0.34	0.14	0.28	2.21	1.82	0.	4.80	0.977	-1.	8	10		
28242 GTRW08	DISTILL	11.	0.71	0.239	1.63	5.8	0.43	0.18	0.33	2.97	1.07	0.	4.99	1.014	-2.	4	16		
28242 GTRW12	DISTILL	11.	0.73	0.259	1.63	5.9	0.44	0.19	0.33	2.95	0.99	0.	4.90	0.996	-2.	5	13		
28242 GTRW16	DISTILL	11.	0.69	0.245	1.63	5.9	0.44	0.19	0.33	2.82	1.16	0.	4.94	1.003	-2.	5	14		
28242 GTR308	DISTILL	11.	0.54	0.173	1.63	4.6	0.34	0.14	0.29	2.55	1.71	0.	5.03	1.023	-2.	1	23		
28242 GTR312	DISTILL	11.	0.61	0.219	1.63	5.0	0.37	0.16	0.30	2.61	1.45	0.	4.89	0.994	-2.	5	12		
28242 GTR316	DISTILL	11.	0.60	0.215	1.63	5.2	0.38	0.16	0.31	2.60	1.48	0.	4.93	1.003	-2.	4	14		
28242 FCPADS	DISTILL	11.	1.00	0.265	1.63	8.0	0.59	0.25	1.47	4.14	0.	0.	6.46	1.313	-8.	0	67		
28242 FCPADS	DISTILL	11.	1.37	0.279	1.63	9.7	0.72	0.31	1.82	5.29	0.	-0.82	7.31	1.487	-12.	0	64		
28242 FCMCDS	DISTILL	11.	1.00	0.354	1.63	8.1	0.60	0.26	1.36	3.64	0.	0.	5.85	1.190	-6.	0	97		
28242 FCMCDS	DISTILL	11.	1.08	0.360	1.63	8.4	0.62	0.27	1.38	3.86	0.	-0.19	5.94	1.208	-7.	0	89		
28651 ONOCGN	RESIDUA	4.	0.	0.	0.03	16.5	1.22	0.52	0.81	10.48	1.34	0.	14.37	1.000	0.	0	0		
28651 STM141	RESIDUA	4.	1.00	0.071	0.03	20.1	1.53	0.65	1.17	10.99	0.	0.	14.34	0.997	-2.	5	13		
28651 STM141	RESIDUA	4.	8.28	0.322	0.03	22.0	1.67	0.71	1.09	14.68	0.	-5.84	12.31	0.857	4.	24	4		
28651 STM141	COAL-FG	4.	1.00	0.071	0.03	35.6	2.70	1.15	2.31	6.38	0.	0.	12.54	0.872	-4.	11	8		
28651 STM141	COAL-FG	4.	8.28	0.322	0.03	40.1	3.04	1.29	2.29	8.53	0.	-5.84	9.31	0.647	4.	17	6		
28651 STM141	COAL-AF	4.	1.00	0.071	0.03	33.9	2.57	1.09	2.22	6.38	0.	0.	12.27	0.854	-2.	12	7		
28651 STM141	COAL-AF	4.	8.28	0.322	0.03	34.0	2.58	1.10	2.22	8.53	0.	-5.84	8.58	0.597	9.	23	5		
28651 STM088	RESIDUA	4.	1.00	0.071	0.03	19.9	1.51	0.64	1.18	10.99	0.	0.	14.32	0.997	-2.	6	12		
28651 STM088	RESIDUA	4.	6.27	0.278	0.03	20.0	1.51	0.64	1.03	13.66	0.	-4.23	12.62	0.878	4.	29	4		
28651 STM088	COAL-FG	4.	1.00	0.071	0.03	35.8	2.72	1.16	2.33	6.38	0.	0.	12.58	0.875	-4.	11	8		
28651 STM088	COAL-FG	4.	6.27	0.278	0.03	37.3	2.83	1.20	2.15	7.93	0.	-4.23	9.89	0.688	4.	17	6		
28651 STM088	COAL-AF	4.	1.00	0.071	0.03	34.0	2.58	1.10	2.25	6.38	0.	0.	12.30	0.856	-2.	12	8		
28651 STM088	COAL-AF	4.	6.27	0.278	0.03	32.7	2.48	1.05	2.15	7.93	0.	-4.23	9.39	0.653	8.	22	5		
28651 PFBSTM	COAL-PF	4.	1.00	0.070	0.03	34.4	2.61	1.11	2.28	6.39	0.	0.	12.38	0.862	-3.	12	8		
28651 PFBSTM	COAL-PF	4.	12.74	0.381	0.03	47.3	3.59	1.53	3.66	9.93	0.	-9.42	9.28	0.646	1.	15	7		
28651 TISTMT	RESIDUA	4.	1.00	0.070	0.03	28.7	2.18	0.93	1.36	11.00	0.	0.	15.46	1.076	-10.	0	999		
28651 TISTMT	RESIDUA	4.	10.17	0.348	0.03	87.3	6.62	2.82	3.00	15.77	0.	-7.36	20.85	1.450	-54.	0	249		
28651 TISTMT	COAL	4.	1.00	0.070	0.03	43.9	3.33	1.42	2.46	6.39	0.	0.	13.60	0.946	-11.	7	11		
28651 TISTMT	COAL	4.	16.73	0.419	0.03	150.8	11.44	4.87	5.16	11.14	0.	-12.63	19.98	1.390	-82.	1	25		
28651 TIHRSG	RESIDUA	4.	1.00	0.056	0.03	36.2	2.68	1.14	1.50	11.17	0.	0.	16.48	1.147	-16.	0	97		
28651 TIHRSG	RESIDUA	4.	4.40	0.178	0.03	74.2	5.50	2.34	2.51	13.49	0.	-2.73	21.11	1.468	-48.	0	83		
28651 TIHRSG	COAL	4.	1.00	0.056	0.03	53.2	4.04	1.72	2.66	6.48	0.	0.	14.90	1.037	-20.	4	16		
28651 TIHRSG	COAL	4.	7.24	0.237	0.03	128.6	9.76	4.15	4.36	8.96	0.	-5.01	22.23	1.547	-79.	0	999		
28651 STIRL	DISTILL	4.	1.00	0.051	0.03	22.8	1.69	0.72	1.16	13.76	0.	0.	17.33	1.206	-12.	0	58		
28651 STIRL	DISTILL	4.	11.61	0.270	0.03	42.4	3.14	1.33	1.84	23.41	0.	-8.52	21.20	1.475	-34.	0	61		
28651 STIRL	RESIDUA	4.	1.00	0.051	0.03	22.8	1.69	0.72	1.16	11.22	0.	0.	14.79	1.029	-4.	0	999		
28651 STIRL	RESIDUA	4.	11.61	0.270	0.03	42.4	3.14	1.34	1.84	19.10	0.	-8.52	16.90	1.176	-20.	0	136		
28651 STIRL	COAL	4.	1.00	0.051	0.03	36.7	2.72	1.16	2.23	6.52	0.	0.	12.62	0.878	-4.	11	8		

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST								PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																	
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHD REVNUE TOTAL NORML PRESNT ROI GROSS	FUEL REQD		GEN/	/HEAT COST											
SYSTEM			MW	REQD	RATIO *10**6	INSNC									WORTH	%	PAY
															15%		BACK
28651	HEGT85	COAL-AF	4.	1.00	0.025	0.03	40.0	3.04	1.29	2.21	6.70	0.	0.	13.23	0.921	-8.	8
28651	HEGT85	COAL-AF	4.	59.06	0.194	0.03	256.2	19.44	8.27	9.72	42.17	0.	-46.61	32.99	2.295	-174.	0
28651	HEGT60	COAL-AF	4.	1.00	0.028	0.03	39.7	3.01	1.28	2.21	6.68	0.	0.	13.18	0.917	-8.	9
28651	HEGT60	COAL-AF	4.	26.58	0.190	0.03	144.0	10.93	4.65	5.63	21.78	0.	-20.53	22.46	1.563	-87.	0
28651	HEGT00	COAL-AF	4.	1.00	0.029	0.03	39.3	2.98	1.27	2.23	6.67	0.	0.	13.15	0.915	-7.	9
28651	HEGT00	COAL-AF	4.	11.97	0.152	0.03	85.2	6.47	2.75	3.60	13.11	0.	-8.80	17.12	1.191	-42.	1
28651	FCMCCL	COAL	4.	1.00	0.511	0.03	43.2	3.36	1.43	2.38	10.38	0.	0.	17.55	1.221	-24.	0
28651	FCMCCL	COAL	4.	21.77	0.224	0.03	104.2	8.10	3.44	5.78	17.94	0.	-16.68	18.59	1.294	-57.	0
28651	FCSTCL	COAL	4.	1.00	0.508	0.03	42.4	3.29	1.40	2.40	10.36	0.	0.	17.45	1.214	-23.	0
28651	FCSTCL	COAL	4.	35.18	0.339	0.03	129.9	10.10	4.29	7.23	22.24	0.	-27.44	16.43	1.143	-63.	3
28651	IGGTST	COAL	4.	1.00	0.521	0.03	40.6	3.15	1.34	2.35	10.45	0.	0.	17.29	1.203	-21.	0
28651	IGGTST	COAL	4.	24.79	0.187	0.03	101.1	7.86	3.34	3.46	20.73	0.	-19.10	16.31	1.135	-48.	3
28651	GTSOAR	RESIDUA	4.	1.00	0.053	0.03	21.3	1.58	0.67	1.09	11.20	0.	0.	14.54	1.011	-3.	2
28651	GTSOAR	RESIDUA	4.	13.70	0.296	0.03	32.0	2.37	1.01	1.51	20.38	0.	-10.19	15.07	1.049	-9.	0
28651	GTAC08	RESIDUA	4.	1.00	0.060	0.03	20.7	1.54	0.65	1.08	11.12	0.	0.	14.38	1.001	-2.	5
28651	GTAC08	RESIDUA	4.	10.87	0.309	0.03	26.6	1.97	0.84	1.35	17.37	0.	-7.93	13.62	0.947	-2.	10
28651	GTAC12	RESIDUA	4.	1.00	0.060	0.03	20.7	1.53	0.65	1.07	11.12	0.	0.	14.38	1.000	-2.	5
28651	GTAC12	RESIDUA	4.	13.50	0.334	0.03	30.4	2.25	0.96	1.46	19.09	0.	-10.03	13.73	0.955	-5.	8
28651	GTAC16	RESIDUA	4.	1.00	0.059	0.03	20.8	1.54	0.66	1.07	11.13	0.	0.	14.40	1.002	-2.	4
28651	GTAC16	RESIDUA	4.	15.21	0.344	0.03	33.7	2.50	1.06	1.55	20.32	0.	-11.41	14.03	0.976	-7.	6
28651	GTWC16	RESIDUA	4.	1.00	0.053	0.03	21.1	1.56	0.66	1.08	11.20	0.	0.	14.51	1.010	-3.	2
28651	GTWC16	RESIDUA	4.	16.09	0.315	0.03	33.0	2.45	1.04	1.55	22.04	0.	-12.12	14.96	1.041	-10.	1
28651	CC1626	RESIDUA	4.	1.00	0.053	0.03	20.9	1.58	0.67	1.14	11.20	0.	0.	14.60	1.016	-3.	0
28651	CC1626	RESIDUA	4.	26.78	0.361	0.03	43.3	3.29	1.40	2.00	29.76	0.	-20.69	15.75	1.096	-17.	0
28651	CC1622	RESIDUA	4.	1.00	0.056	0.03	20.6	1.56	0.67	1.14	11.17	0.	0.	14.54	1.011	-3.	1
28651	CC1622	RESIDUA	4.	24.12	0.369	0.03	43.3	3.28	1.40	1.96	27.12	0.	-18.56	15.20	1.057	-16.	2
28651	CC1222	RESIDUA	4.	1.00	0.056	0.03	20.5	1.55	0.66	1.13	11.17	0.	0.	14.51	1.010	-3.	2
28651	CC1222	RESIDUA	4.	24.04	0.373	0.03	41.3	3.13	1.33	1.93	26.91	0.	-18.49	14.81	1.031	-14.	3
28651	CC0822	RESIDUA	4.	1.00	0.060	0.03	20.7	1.57	0.67	1.14	11.12	0.	0.	14.49	1.008	-3.	2
28651	CC0822	RESIDUA	4.	19.25	0.376	0.03	35.3	2.68	1.14	1.75	22.74	0.	-14.65	13.66	0.950	-7.	8
28651	STIG15	RESIDUA	4.	1.00	0.020	0.03	20.8	1.54	0.65	1.10	11.60	0.	0.	14.89	1.036	-4.	0
28651	STIG15	RESIDUA	4.	605.18	0.171	0.03	662.2	49.04	20.85	39.42	685.34	0.	-485.02	309.63	21.544	-1231.	0
28651	STIG10	RESIDUA	4.	1.00	0.028	0.03	20.6	1.52	0.65	1.09	11.50	0.	0.	14.75	1.026	-3.	0
28651	STIG10	RESIDUA	4.	55.96	0.218	0.03	79.0	5.85	2.49	4.22	67.24	0.	-44.12	35.67	2.482	-96.	0
28651	STIG15	RESIDUA	4.	1.00	0.032	0.03	20.5	1.52	0.65	1.09	11.45	0.	0.	14.70	1.023	-3.	0
28651	STIG15	RESIDUA	4.	32.83	0.228	0.03	50.6	3.74	1.59	2.92	42.26	0.	-25.56	24.97	1.737	-49.	0
28651	DEADV3	RESIDUA	4.	1.00	0.042	0.03	24.7	1.83	0.78	1.19	11.34	0.	0.	15.14	1.054	-6.	0
28651	DEADV3	RESIDUA	4.	34.13	0.297	0.03	105.4	7.81	3.32	3.56	39.70	0.	-26.60	27.79	1.933	-84.	0
28651	DEHTPM	RESIDUA	4.	1.00	0.062	0.03	24.8	1.84	0.78	1.23	11.10	0.	0.	14.95	1.040	-6.	0
28651	DEHTPM	RESIDUA	4.	16.46	0.368	0.03	60.1	4.45	1.89	2.38	20.66	0.	-12.41	16.98	1.181	-29.	0
28651	DESOA3	DISTILL	4.	1.00	0.036	0.03	23.9	1.77	0.75	1.17	13.99	0.	0.	17.68	1.230	-14.	0
28651	DESOA3	DISTILL	4.	39.14	0.260	0.03	146.5	10.85	4.61	4.63	57.35	0.	-30.62	46.82	3.257	-163.	0
28651	DESOA3	RESIDUA	4.	1.00	0.036	0.03	23.9	1.77	0.75	1.17	11.41	0.	0.	15.10	1.051	-6.	0

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100						
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES	ANDM FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	+	ELEC		WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC			15%		BACK						
28651 GTSOAD DISTILL	4.	1.00	0.058	0.03	20.5	1.52	0.65	1.07	13.67	0.	0.	16.90	1.176	-10.	0	57
28651 GTSOAD DISTILL	4.	12.95	0.315	0.03	27.5	2.03	0.86	1.39	23.45	0.	-9.59	18.15	1.263	-17.	0	59
28651 GTRA08 DISTILL	4.	1.00	0.054	0.03	21.4	1.59	0.67	1.08	13.71	0.	0.	17.05	1.187	-11.	0	58
28651 GTRA08 DISTILL	4.	20.80	0.347	0.03	43.1	3.20	1.36	1.82	30.82	0.	-15.90	21.30	1.482	-34.	0	61
28651 GTRA12 DISTILL	4.	1.00	0.055	0.03	21.3	1.58	0.67	1.08	13.70	0.	0.	17.03	1.185	-11.	0	58
28651 GTRA12 DISTILL	4.	20.44	0.352	0.03	41.6	3.08	1.31	1.78	30.20	0.	-15.61	20.76	1.445	-32.	0	61
28651 GTRA16 DISTILL	4.	1.00	0.056	0.03	21.5	1.60	0.68	1.09	13.69	0.	0.	17.05	1.187	-11.	0	58
28651 GTRA16 DISTILL	4.	19.17	0.348	0.03	41.9	3.10	1.32	1.78	29.05	0.	-14.59	20.67	1.438	-32.	0	61
28651 GTR208 DISTILL	4.	1.00	0.055	0.03	21.1	1.56	0.66	1.08	13.70	0.	0.	17.01	1.183	-10.	0	58
28651 GTR208 DISTILL	4.	16.00	0.327	0.03	34.2	2.53	1.08	1.58	26.44	0.	-12.04	19.59	1.363	-25.	0	60
28651 GTR212 DISTILL	4.	1.00	0.055	0.03	21.2	1.57	0.67	1.08	13.70	0.	0.	17.03	1.185	-11.	0	58
28651 GTR212 DISTILL	4.	17.17	0.333	0.03	36.5	2.70	1.15	1.64	27.51	0.	-12.98	20.02	1.393	-27.	0	60
28651 GTR216 DISTILL	4.	1.00	0.056	0.03	21.3	1.58	0.67	1.08	13.69	0.	0.	17.02	1.184	-11.	0	58
28651 GTR216 DISTILL	4.	17.58	0.342	0.03	38.6	2.86	1.21	1.69	27.59	0.	-13.31	20.04	1.394	-28.	0	61
28651 GTRW08 DISTILL	4.	1.00	0.046	0.03	21.5	1.59	0.68	1.09	13.84	0.	0.	17.19	1.196	-11.	0	58
28651 GTRW08 DISTILL	4.	24.92	0.305	0.03	43.1	3.19	1.36	1.86	37.56	0.	-19.21	24.76	1.723	-45.	0	59
28651 GTRW12 DISTILL	4.	1.00	0.049	0.03	21.5	1.59	0.68	1.08	13.80	0.	0.	17.15	1.193	-11.	0	58
28651 GTRW12 DISTILL	4.	25.50	0.326	0.03	43.6	3.23	1.37	1.86	37.06	0.	-19.67	23.85	1.659	-42.	0	59
28651 GTRW16 DISTILL	4.	1.00	0.049	0.03	21.6	1.60	0.68	1.09	13.79	0.	0.	17.16	1.194	-11.	0	58
28651 GTRW16 DISTILL	4.	23.78	0.325	0.03	43.3	3.21	1.36	1.85	35.22	0.	-18.28	23.36	1.625	-41.	0	59
28651 GTR308 DISTILL	4.	1.00	0.043	0.03	21.2	1.57	0.67	1.08	13.88	0.	0.	17.20	1.196	-11.	0	58
28651 GTR308 DISTILL	4.	19.01	0.267	0.03	36.5	2.71	1.15	1.67	32.44	0.	-14.46	23.50	1.635	-38.	0	58
28651 GTR312 DISTILL	4.	1.00	0.050	0.03	21.2	1.57	0.67	1.08	13.78	0.	0.	17.10	1.190	-11.	0	58
28651 GTR312 DISTILL	4.	20.92	0.318	0.03	37.9	2.81	1.19	1.70	32.35	0.	-15.99	22.07	1.535	-34.	0	59
28651 GTR316 DISTILL	4.	1.00	0.049	0.03	21.4	1.59	0.68	1.09	13.79	0.	0.	17.13	1.192	-11.	0	58
28651 GTR316 DISTILL	4.	20.61	0.315	0.03	38.9	2.88	1.23	1.72	32.15	0.	-15.74	22.24	1.548	-35.	0	59
28651 FCPADS DISTILL	4.	1.00	0.037	0.03	23.0	1.70	0.72	1.43	13.96	0.	0.	17.82	1.240	-14.	0	58
28651 FCPADS DISTILL	4.	46.16	0.279	0.03	124.1	9.19	3.91	21.50	64.24	0.	-36.25	62.59	4.355	-204.	0	60
28651 FCMCDS DISTILL	4.	1.00	0.050	0.03	23.2	1.72	0.73	1.41	13.78	0.	0.	17.64	1.227	-13.	0	58
28651 FCMCDS DISTILL	4.	36.51	0.360	0.03	107.5	7.96	3.38	16.24	46.87	0.	-28.51	45.94	3.197	-143.	0	61
28653 ONOCGN RESIDUA	6.	0.	0.	0.07	9.3	0.69	0.29	0.57	10.53	1.89	0.	13.97	1.000	0.	0	0
28653 STM141 RESIDUA	6.	1.00	0.096	0.07	12.4	0.94	0.40	0.94	11.25	0.	0.	13.53	0.968	-0.	13	7
28653 STM141 RESIDUA	6.	2.23	0.179	0.07	12.0	0.91	0.39	0.75	12.13	0.	-1.39	12.78	0.915	2.	27	4
28653 STM141 COAL-FG	6.	1.00	0.096	0.07	28.0	2.12	0.90	1.92	6.53	0.	0.	11.47	0.821	-1.	13	7
28653 STM141 COAL-FG	6.	2.23	0.179	0.07	25.3	1.92	0.82	1.58	7.04	0.	-1.39	9.97	0.713	5.	19	5
28653 STM141 COAL-AF	6.	1.00	0.096	0.07	24.5	1.86	0.79	1.80	6.53	0.	0.	10.99	0.786	2.	16	6
28653 STM141 COAL-AF	6.	2.23	0.179	0.07	18.2	1.38	0.59	1.41	7.04	0.	-1.39	9.03	0.646	11.	33	3
28653 STM088 RESIDUA	6.	1.00	0.096	0.07	11.8	0.90	0.38	0.92	11.25	0.	0.	13.45	0.963	0.	16	6
28653 STM088 RESIDUA	6.	1.45	0.130	0.07	10.7	0.81	0.34	0.71	11.57	0.	-0.51	12.92	0.925	3.	38	3
28653 STM088 COAL-FG	6.	1.00	0.096	0.07	27.1	2.06	0.87	1.87	6.53	0.	0.	11.34	0.811	-1.	14	7
28653 STM088 COAL-FG	6.	1.45	0.130	0.07	23.3	1.77	0.75	1.48	6.72	0.	-0.51	10.21	0.731	5.	20	5
28653 STM088 COAL-AF	6.	1.00	0.096	0.07	22.7	1.72	0.73	1.76	6.53	0.	0.	10.75	0.759	3.	19	5
28653 STM088 COAL-AF	6.	1.45	0.130	0.07	17.1	1.30	0.55	1.36	6.72	0.	-0.51	9.42	0.674	10.	34	3

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVENUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
28653 PFBSTM	COAL-PF	6.	4.06	0.256	0.07	30.8	2.34	0.99	2.37	7.90	0.	-3.48	10.12	0.724	1.	16	6		
28653 TISTMT	RESIDUA	6.	1.00	0.094	0.07	26.7	2.03	0.86	1.27	11.27	0.	0.	15.43	1.104	-13.	0	999		
28653 TISTMT	RESIDUA	6.	5.59	0.308	0.07	74.9	5.68	2.42	2.37	14.67	0.	-5.22	19.92	1.426	-50.	0	250		
28653 TISTMT	COAL	6.	1.00	0.094	0.07	42.9	3.26	1.39	2.24	6.54	0.	0.	13.43	0.961	-15.	6	12		
28653 TISTMT	COAL	6.	5.59	0.308	0.07	95.0	7.21	3.07	3.39	8.52	0.	-5.22	16.96	1.214	-51.	2	22		
28653 TIHRSG	RESIDUA	6.	1.00	0.050	0.07	34.1	2.53	1.08	1.39	11.82	0.	0.	16.81	1.203	-21.	0	86		
28653 TIHRSG	RESIDUA	6.	3.45	0.125	0.07	72.8	5.39	2.29	2.19	14.97	0.	-2.78	22.06	1.579	-55.	0	76		
28653 TIHRSG	COAL	6.	1.00	0.050	0.07	52.0	3.95	1.68	2.42	6.86	0.	0.	14.90	1.067	-24.	3	18		
28653 TIHRSG	COAL	6.	3.45	0.125	0.07	93.2	7.08	3.01	3.23	8.69	0.	-2.78	19.23	1.376	-57.	0	999		
28653 STIRL	DISTILL	6.	1.00	0.064	0.07	14.2	1.05	0.45	0.92	14.28	0.	0.	16.69	1.195	-11.	0	58		
28653 STIRL	DISTILL	6.	6.30	0.221	0.07	31.3	2.32	0.99	1.25	21.53	0.	-6.02	20.06	1.436	-29.	0	60		
28653 STIRL	RESIDUA	6.	1.00	0.064	0.07	14.2	1.05	0.45	0.92	11.65	0.	0.	14.06	1.007	-3.	3	17		
28653 STIRL	RESIDUA	6.	6.30	0.221	0.07	31.4	2.32	0.99	1.25	17.57	0.	-6.02	16.10	1.152	-17.	0	130		
28653 STIRL	COAL	6.	1.00	0.064	0.07	28.5	2.11	0.90	1.83	6.76	0.	0.	11.61	0.831	-2.	13	7		
28653 STIRL	COAL	6.	6.30	0.221	0.07	54.7	4.05	1.72	2.43	10.20	0.	-6.02	12.38	0.886	-16.	7	10		
28653 HEGT60	COAL-AF	6.	1.00	0.003	0.07	35.7	2.71	1.15	1.92	7.24	0.	0.	13.02	0.932	-10.	7	11		
28653 HEGT60	COAL-AF	6.	25.29	0.014	0.07	173.2	13.14	5.59	6.92	34.63	0.	-27.60	32.67	2.338	-138.	0	92		
28653 HEGT00	COAL-AF	6.	1.00	0.026	0.07	34.5	2.62	1.11	1.90	7.03	0.	0.	12.67	0.907	-8.	8	10		
28653 HEGT00	COAL-AF	6.	5.37	0.087	0.07	61.8	4.69	1.99	2.61	11.22	0.	-5.19	15.32	1.096	-30.	2	19		
28653 FCMCCL	COAL	6.	1.00	0.081	0.07	35.2	2.74	1.16	2.00	6.63	0.	0.	12.54	0.897	-9.	9	10		
28653 FCMCCL	COAL	6.	9.47	0.335	0.07	71.3	5.55	2.36	3.87	11.05	0.	-9.63	13.19	0.944	-29.	6	12		
28653 FCSTCL	COAL	6.	1.00	0.085	0.07	34.6	2.69	1.14	2.03	6.61	0.	0.	12.48	0.893	-8.	9	9		
28653 FCSTCL	COAL	6.	13.01	0.387	0.07	82.3	6.40	2.72	4.52	12.59	0.	-13.65	12.58	0.901	-32.	6	12		
28653 IGGTST	COAL	6.	1.00	0.065	0.07	34.1	2.65	1.13	1.98	6.75	0.	0.	12.50	0.895	-8.	9	9		
28653 IGGTST	COAL	6.	8.83	0.262	0.07	63.9	4.97	2.11	2.38	11.73	0.	-8.89	12.29	0.880	-22.	7	11		
28653 GTSOAR	RESIDUA	6.	1.00	0.060	0.07	14.3	1.06	0.45	0.87	11.69	0.	0.	14.06	1.007	-3.	3	17		
28653 GTSOAR	RESIDUA	6.	11.11	0.263	0.07	27.6	2.04	0.87	1.12	23.40	0.	-11.49	15.94	1.141	-15.	0	94		
28653 GTAC08	RESIDUA	6.	1.00	0.082	0.07	13.7	1.02	0.43	0.85	11.42	0.	0.	13.72	0.982	-1.	9	9		
28653 GTAC08	RESIDUA	6.	7.67	0.311	0.07	20.0	1.48	0.63	0.89	17.35	0.	-7.58	12.76	0.914	-1.	12	7		
28653 GTAC12	RESIDUA	6.	1.00	0.080	0.07	13.7	1.02	0.43	0.85	11.44	0.	0.	13.73	0.983	-1.	9	10		
28653 GTAC12	RESIDUA	6.	9.64	0.333	0.07	23.8	1.76	0.75	1.00	19.31	0.	-9.82	13.00	0.930	-4.	10	9		
28653 GTAC16	RESIDUA	6.	1.00	0.077	0.07	13.9	1.03	0.44	0.85	11.48	0.	0.	13.80	0.988	-2.	8	10		
28653 GTAC16	RESIDUA	6.	11.25	0.335	0.07	27.7	2.05	0.87	1.11	21.28	0.	-11.65	13.66	0.978	-8.	6	12		
28653 GTWC16	RESIDUA	6.	1.00	0.072	0.07	14.2	1.05	0.45	0.86	11.54	0.	0.	13.90	0.995	-2.	6	12		
28653 GTWC16	RESIDUA	6.	11.38	0.316	0.07	26.3	1.95	0.83	1.08	22.07	0.	-11.80	14.12	1.011	-8.	4	15		
28653 CC1626	RESIDUA	6.	1.00	0.070	0.07	14.0	1.06	0.45	0.93	11.57	0.	0.	14.01	1.003	-2.	4	15		
28653 CC1626	RESIDUA	6.	16.52	0.342	0.07	33.4	2.54	1.08	1.43	27.69	0.	-17.64	15.10	1.081	-15.	0	28		
28653 CC1622	RESIDUA	6.	1.00	0.073	0.07	13.7	1.04	0.44	0.92	11.52	0.	0.	13.93	0.997	-2.	5	13		
28653 CC1622	RESIDUA	6.	14.82	0.349	0.07	33.2	2.52	1.07	1.39	25.27	0.	-15.71	14.55	1.041	-13.	3	18		
28653 CC1222	RESIDUA	6.	1.00	0.074	0.07	13.5	1.03	0.44	0.92	11.51	0.	0.	13.90	0.995	-2.	6	12		
28653 CC1222	RESIDUA	6.	14.72	0.352	0.07	31.4	2.38	1.01	1.36	25.04	0.	-15.59	14.21	1.017	-12.	4	15		
28653 CC0822	RESIDUA	6.	1.00	0.080	0.07	13.7	1.04	0.44	0.93	11.45	0.	0.	13.86	0.992	-2.	7	11		
28653 CC0822	RESIDUA	6.	11.58	0.351	0.07	26.0	1.97	0.84	1.20	21.16	0.	-12.02	13.16	0.942	-6.	8	10		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
														15%					
28653	DEHTPM	RESIDUA	6.	9.24	0.263	0.07	52.6	3.90	1.66	1.89	20.74	0.	-9.36	18.83	1.348	-36.	0	88	
28653	GTSCAD	DISTILL	6.	1.00	0.075	0.07	13.5	1.00	0.42	0.84	14.10	0.	0.	16.37	1.171	-9.	0	58	
28653	GTSCAD	DISTILL	6.	9.44	0.308	0.07	21.2	1.57	0.67	0.93	24.20	0.	-9.59	17.78	1.273	-18.	0	59	
28653	GTRA08	DISTILL	6.	1.00	0.060	0.07	14.4	1.07	0.45	0.86	14.33	0.	0.	16.71	1.196	-11.	0	50	
28653	GTRA08	DISTILL	6.	19.09	0.305	0.07	42.8	3.17	1.35	1.55	40.02	0.	-20.55	25.54	1.828	-52.	0	59	
28653	GTRA12	DISTILL	6.	1.00	0.064	0.07	14.4	1.07	0.45	0.86	14.27	0.	0.	16.65	1.192	-11.	0	50	
28653	GTRA12	DISTILL	6.	17.81	0.318	0.07	40.0	2.96	1.26	1.47	37.24	0.	-19.10	23.84	1.706	-45.	0	59	
28653	GTRA16	DISTILL	6.	1.00	0.065	0.07	14.7	1.09	0.46	0.87	14.25	0.	0.	16.66	1.193	-11.	0	58	
28653	GTRA16	DISTILL	6.	16.07	0.317	0.07	39.3	2.91	1.24	1.44	34.47	0.	-17.12	22.93	1.641	-42.	0	60	
28653	GTR208	DISTILL	6.	1.00	0.067	0.07	14.1	1.05	0.44	0.86	14.23	0.	0.	16.58	1.186	-10.	0	58	
28653	GTR208	DISTILL	6.	12.67	0.303	0.07	29.6	2.19	0.93	1.17	29.65	0.	-13.26	20.68	1.480	-31.	0	59	
28653	GTR212	DISTILL	6.	1.00	0.067	0.07	14.3	1.06	0.45	0.86	14.23	0.	0.	16.59	1.188	-11.	0	58	
28653	GTR212	DISTILL	6.	13.61	0.310	0.07	32.0	2.37	1.01	1.24	30.88	0.	-14.33	21.17	1.515	-33.	0	59	
28653	GTR216	DISTILL	6.	1.00	0.068	0.07	14.4	1.07	0.45	0.86	14.21	0.	0.	16.59	1.187	-11.	0	58	
28653	GTR216	DISTILL	6.	14.04	0.318	0.07	34.4	2.55	1.08	1.30	31.20	0.	-14.82	21.31	1.526	-35.	0	60	
28653	GTRW08	DISTILL	6.	1.00	0.052	0.07	14.5	1.08	0.46	0.86	14.46	0.	0.	16.85	1.206	-12.	0	53	
28653	GTRW08	DISTILL	6.	22.19	0.270	0.07	42.1	3.12	1.33	1.57	47.32	0.	-24.07	29.26	2.094	-63.	0	58	
28653	GTRW12	DISTILL	6.	1.00	0.058	0.07	14.5	1.08	0.46	0.86	14.37	0.	0.	16.76	1.200	-11.	0	58	
28653	GTRW12	DISTILL	6.	21.65	0.299	0.07	41.3	3.06	1.30	1.54	44.53	0.	-23.47	26.96	1.929	-56.	0	58	
28653	GTRW16	DISTILL	6.	1.00	0.060	0.07	14.7	1.09	0.46	0.87	14.34	0.	0.	16.76	1.200	-11.	0	58	
28653	GTRW16	DISTILL	6.	19.32	0.303	0.07	39.8	2.95	1.25	1.48	40.52	0.	-20.82	25.39	1.817	-50.	0	59	
28653	GTR308	DISTILL	6.	1.00	0.047	0.07	14.2	1.05	0.45	0.86	14.53	0.	0.	16.89	1.209	-11.	0	58	
28653	GTR308	DISTILL	6.	16.31	0.229	0.07	33.7	2.49	1.06	1.32	39.38	0.	-17.39	26.87	1.923	-52.	0	58	
28653	GTR312	DISTILL	6.	1.00	0.063	0.07	14.3	1.06	0.45	0.86	14.28	0.	0.	16.65	1.192	-11.	0	58	
28653	GTR312	DISTILL	6.	15.89	0.305	0.07	22.6	2.41	1.03	1.28	34.78	0.	-16.92	22.58	1.616	-38.	0	59	
28653	GTR316	DISTILL	6.	1.00	0.069	0.07	14.5	1.07	0.46	0.86	14.29	0.	0.	16.68	1.194	-11.	0	58	
28653	GTR316	DISTILL	6.	15.60	0.303	0.07	33.5	2.48	1.06	1.30	34.46	0.	-16.59	22.70	1.625	-39.	0	59	
28653	FCPADS	DISTILL	6.	1.00	0.052	0.07	15.3	1.13	0.48	1.35	14.48	0.	0.	17.44	1.248	-14.	0	58	
28653	FCPADS	DISTILL	6.	32.76	0.279	0.07	113.7	8.42	3.58	21.02	64.53	0.	-36.08	61.47	4.400	-200.	0	60	
28653	FCMCDS	DISTILL	6.	1.00	0.067	0.07	15.6	1.15	0.49	1.31	14.23	0.	0.	17.17	1.229	-13.	0	58	
28653	FCMCDS	DISTILL	6.	25.91	0.350	0.07	97.8	7.25	3.08	15.76	47.08	0.	-28.31	44.86	3.211	-140.	0	61	
28654	ONOCGN	RESIDUA	1.	0.	0.	0.01	6.5	0.48	0.20	0.47	7.44	0.21	0.	8.81	1.000	0.	0	0	
28654	STM141	RESIDUA	1.	1.00	0.017	0.01	8.4	0.63	0.27	0.72	7.52	0.	0.	9.15	1.039	-2.	0	74	
28654	STM141	RESIDUA	1.	6.88	0.103	0.01	8.6	0.65	0.28	0.62	7.99	0.	-0.75	8.79	0.998	-1.	5	13	
28654	STM141	COAL-FG	1.	1.00	0.017	0.01	19.8	1.50	0.64	1.46	4.37	0.	0.	7.96	0.904	-4.	9	9	
28654	STM141	COAL-FG	1.	6.88	0.103	0.01	18.6	1.41	0.60	1.24	4.64	0.	-0.75	7.15	0.812	-1.	14	7	
28654	STM141	COAL-AF	1.	1.00	0.017	0.01	19.1	1.45	0.62	1.40	4.37	0.	0.	7.83	0.889	-3.	10	9	
28654	STM141	COAL-AF	1.	6.88	0.103	0.01	13.6	1.03	0.44	1.10	4.64	0.	-0.75	6.46	0.733	4.	23	5	
28654	PFBSTM	COAL-PF	1.	1.00	0.016	0.01	18.8	1.43	0.61	1.35	4.37	0.	0.	7.76	0.881	-3.	11	8	
28654	PFBSTM	COAL-PF	1.	17.93	0.200	0.01	23.2	1.76	0.75	1.77	5.24	0.	-2.16	7.37	0.837	-4.	11	8	
28654	TISTMT	RESIDUA	1.	1.00	0.017	0.01	10.4	0.79	0.33	0.72	7.52	0.	0.	9.36	1.063	-4.	0	77	
28654	TISTMT	RESIDUA	1.	26.49	0.264	0.01	55.5	4.21	1.79	1.83	9.66	0.	-3.25	14.23	1.616	-41.	0	93	
28654	TISTMT	COAL	1.	1.00	0.017	0.01	21.2	1.61	0.68	1.41	4.37	0.	0.	8.07	0.916	-5.	9	10	

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1&SE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVENUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		PACK				
28654 TIHRSG	RESIDUA	1.	1.00	0.009	0.01	11.3	0.84	0.36	0.69	7.58	0.	0.	9.47	1.075	-4.	0	74		
28654 TIHRSG	RESIDUA	1.	21.68	0.125	0.01	57.7	4.27	1.82	1.77	10.58	0.	-2.64	15.80	1.794	-46.	0	72		
28654 TIHRSG	COAL	1.	1.00	0.009	0.01	22.4	1.70	0.72	1.38	4.40	0.	0.	8.21	0.932	-6.	8	10		
28654 TIHRSG	COAL	1.	21.68	0.125	0.01	74.0	5.62	2.39	2.60	6.14	0.	-2.64	14.11	1.602	-49.	0	999		
28654 STIRL	DISTILL	1.	1.00	0.012	0.01	9.0	0.67	0.28	0.64	9.27	0.	0.	10.86	1.233	-8.	0	57		
28654 STIRL	DISTILL	1.	39.60	0.221	0.01	23.2	1.72	0.73	1.00	15.21	0.	-4.93	13.73	1.560	-23.	0	60		
28654 STIRL	RESIDUA	1.	1.00	0.012	0.01	9.0	0.67	0.28	0.64	7.56	0.	0.	9.15	1.040	-2.	0	77		
28654 STIRL	RESIDUA	1.	39.60	0.221	0.01	23.3	1.72	0.73	1.00	12.41	0.	-4.93	10.94	1.242	-15.	0	77		
28654 STIRL	COAL	1.	1.00	0.012	0.01	19.4	1.44	0.61	1.30	4.39	0.	0.	7.74	0.879	-3.	11	8		
28654 STIRL	COAL	1.	39.60	0.221	0.01	41.2	3.05	1.30	1.91	7.21	0.	-4.93	8.54	0.969	-15.	5	13		
28654 HEGT60	COAL-AF	1.	1.00	0.000	0.01	19.0	1.44	0.61	1.23	4.45	0.	0.	7.72	0.877	-3.	11	8		
28654 HEGT60	COAL-AF	1.	158.97	0.014	0.01	139.1	10.55	4.49	5.43	24.46	0.	-20.18	24.76	2.811	-114.	0	64		
28654 HEGT00	COAL-AF	1.	1.00	0.005	0.01	18.9	1.43	0.61	1.23	4.42	0.	0.	7.70	0.874	-3.	11	8		
28654 HEGT00	COAL-AF	1.	35.01	0.087	0.01	49.6	3.76	1.60	2.07	7.93	0.	-4.34	11.02	1.252	-28.	0	999		
28654 FCMCCL	COAL	1.	1.00	0.015	0.01	21.5	1.67	0.71	1.31	4.38	0.	0.	8.07	0.916	-5.	8	10		
28654 FCMCCL	COAL	1.	59.55	0.335	0.01	57.0	4.43	1.88	3.00	7.81	0.	-7.48	9.64	1.095	-28.	4	16		
28654 FCSTCL	COAL	1.	1.00	0.015	0.01	21.4	1.66	0.71	1.35	4.38	0.	0.	8.10	0.920	-5.	8	10		
28654 FCSTCL	COAL	1.	70.50	0.365	0.01	61.6	4.79	2.04	3.31	8.32	0.	-8.88	9.58	1.088	-30.	4	16		
28654 IGGTST	COAL	1.	1.00	0.011	0.01	20.8	1.61	0.69	1.38	4.39	0.	0.	8.07	0.917	-5.	8	10		
28654 IGGTST	COAL	1.	45.61	0.227	0.01	48.4	3.76	1.60	1.91	7.73	0.	-5.70	9.31	1.057	-22.	4	15		
28654 GTSOAR	RESIDUA	1.	1.00	0.011	0.01	8.3	0.62	0.26	0.60	7.57	0.	0.	9.04	1.027	-2.	0	82		
28654 GTSOAR	RESIDUA	1.	69.83	0.263	0.01	21.9	1.62	0.69	0.93	16.53	0.	-8.79	10.98	1.247	-14.	0	71		
28654 GTAC08	RESIDUA	1.	1.00	0.015	0.01	8.2	0.61	0.26	0.59	7.54	0.	0.	9.00	1.022	-1.	0	104		
28654 GTAC08	RESIDUA	1.	48.22	0.311	0.01	15.9	1.18	0.50	0.74	12.26	0.	-6.03	8.65	0.982	-4.	6	12		
28654 GTAC12	RESIDUA	1.	1.00	0.015	0.01	8.1	0.60	0.26	0.59	7.54	0.	0.	8.99	1.021	-1.	0	107		
28654 GTAC12	RESIDUA	1.	60.62	0.333	0.01	13.8	1.39	0.59	0.83	13.64	0.	-7.61	8.84	1.003	-6.	5	14		
28654 GTAC16	RESIDUA	1.	1.00	0.014	0.01	8.1	0.60	0.26	0.59	7.55	0.	0.	8.99	1.021	-1.	0	101		
28654 GTAC16	RESIDUA	1.	70.73	0.335	0.01	21.8	1.61	0.69	0.92	15.03	0.	-8.91	9.34	1.061	-9.	1	22		
28654 GTWC16	RESIDUA	1.	1.00	0.013	0.01	8.3	0.61	0.26	0.59	7.55	0.	0.	9.02	1.024	-2.	0	91		
28654 GTWC16	RESIDUA	1.	71.54	0.316	0.01	21.0	1.56	0.66	0.90	15.59	0.	-9.01	9.70	1.102	-10.	0	999		
28654 DEHTPM	RESIDUA	1.	1.00	0.012	0.01	9.3	0.69	0.29	0.66	7.56	0.	0.	9.20	1.045	-3.	0	76		
28654 DEHTPM	RESIDUA	1.	58.08	0.263	0.01	38.9	2.88	1.22	1.49	14.66	0.	-7.29	12.96	1.472	-28.	0	76		
28654 GTSOAD	DISTILL	1.	1.00	0.014	0.01	8.1	0.60	0.25	0.59	9.25	0.	0.	10.70	1.215	-7.	0	57		
28654 GTSOAD	DISTILL	1.	59.33	0.308	0.01	16.8	1.25	0.53	0.78	17.10	0.	-7.45	12.20	1.386	-15.	0	59		
28654 GTRA08	DISTILL	1.	1.00	0.011	0.01	8.3	0.62	0.26	0.59	9.28	0.	0.	10.75	1.221	-7.	0	57		
28654 GTRA08	DISTILL	1.	119.96	0.305	0.01	34.0	2.52	1.07	1.28	28.27	0.	-15.19	17.96	2.039	-42.	0	59		
28654 GTRA12	DISTILL	1.	1.00	0.012	0.01	8.3	0.61	0.26	0.59	9.27	0.	0.	10.73	1.219	-7.	0	57		
28654 GTRA12	DISTILL	1.	111.93	0.318	0.01	31.6	2.34	0.99	1.21	26.31	0.	-14.17	16.69	1.895	-36.	0	59		
28654 GTRA16	DISTILL	1.	1.00	0.012	0.01	8.3	0.62	0.26	0.59	9.27	0.	0.	10.74	1.219	-7.	0	57		
28654 GTRA16	DISTILL	1.	101.00	0.317	0.01	31.0	2.30	0.98	1.19	24.35	0.	-12.77	16.04	1.821	-34.	0	60		
28654 GTR208	DISTILL	1.	1.00	0.012	0.01	8.2	0.61	0.26	0.59	9.27	0.	0.	10.73	1.218	-7.	0	57		
28654 GTR208	DISTILL	1.	79.65	0.303	0.01	23.4	1.73	0.74	0.97	20.94	0.	-10.05	14.34	1.629	-25.	0	59		
28654 GTR212	DISTILL	1.	1.00	0.012	0.01	8.3	0.61	0.26	0.59	9.27	0.	0.	10.73	1.219	-7.	0	57		

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100								
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																		
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS					
SYSTEM	FUEL	REQD	GEN/	/HEAT COST							WORTH	%	PAY					
		MW	REQD	RATIO *10**6	INSNC						15%		BACK					
28654	GTR216	DISTILL	1.	1.00	0.012	0.01	8.3	0.61	0.26	0.59	9.26	0.	0.	10.73	1.218	-7.	0	57
28654	GTR216	DISTILL	1.	88.27	0.318	0.01	27.2	2.01	0.86	1.08	22.04	0.	-11.15	14.84	1.685	-29.	0	60
28654	GTRW08	DISTILL	1.	1.00	0.009	0.01	8.3	0.62	0.26	0.59	9.29	0.	0.	10.77	1.222	-7.	0	57
28654	GTRW08	DISTILL	1.	139.46	0.270	0.01	33.7	2.49	1.06	1.30	33.43	0.	-17.68	20.60	2.340	-50.	0	58
28654	GTRW12	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.28	0.	0.	10.75	1.221	-7.	0	57
28654	GTRW12	DISTILL	1.	136.09	0.299	0.01	33.0	2.45	1.04	1.28	31.46	0.	-17.25	18.97	2.154	-44.	0	59
28654	GTRW16	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.28	0.	0.	10.76	1.222	-7.	0	57
28654	GTRW16	DISTILL	1.	121.45	0.303	0.01	31.9	2.36	1.00	1.23	28.63	0.	-15.38	17.84	2.026	-40.	0	59
28654	GTR308	DISTILL	1.	1.00	0.009	0.01	8.2	0.61	0.26	0.59	9.30	0.	0.	10.76	1.222	-7.	0	57
28654	GTR308	DISTILL	1.	102.51	0.229	0.01	26.8	1.99	0.85	1.10	27.82	0.	-12.96	18.80	2.134	-41.	0	58
28654	GTR312	DISTILL	1.	1.00	0.012	0.01	8.3	0.62	0.26	0.59	9.27	0.	0.	10.74	1.220	-7.	0	57
28654	GTR312	DISTILL	1.	99.89	0.305	0.01	26.0	1.93	0.82	1.06	24.57	0.	-12.63	15.76	1.789	-31.	0	59
28654	GTR316	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.27	0.	0.	10.75	1.221	-7.	0	57
28654	GTR316	DISTILL	1.	98.08	0.303	0.01	26.8	1.99	0.84	1.08	24.34	0.	-12.40	15.86	1.801	-32.	0	59
28654	FCPADS	DISTILL	1.	1.00	0.009	0.01	9.0	0.66	0.28	0.63	9.30	0.	0.	10.87	1.235	-8.	0	57
28654	FCPADS	DISTILL	1.	205.90	0.279	0.01	84.3	6.24	2.65	15.00	45.59	0.	-26.17	43.32	4.919	-146.	0	60
28654	FCMCDS	DISTILL	1.	1.00	0.012	0.01	9.0	0.67	0.28	0.62	9.27	0.	0.	10.84	1.231	-8.	0	57
28654	FCMCDS	DISTILL	1.	162.88	0.360	0.01	72.3	5.36	2.28	11.26	33.26	0.	-20.67	31.48	3.575	-103.	0	61
28691	ONOCGN	RESIDUA	2.	0.	0.	0.04	4.7	0.35	0.15	0.38	0.	0.45	0.	1.33	1.000	0.	0	0
28691	PFBSTM	COAL-PF	2.	1.00	1.000	0.04	15.9	1.21	0.51	1.24	0.	0.	0.	2.95	2.230	-11.	0	77
28691	PFBSTM	COAL-PF	2.	4.01	1.000	0.04	16.0	1.21	0.52	1.24	0.	0.	-0.82	2.15	1.616	-8.	0	999
28691	TIHRSG	RESIDUA	2.	1.00	1.274	0.04	14.0	1.04	0.44	0.74	1.04	0.	0.	3.26	2.457	-10.	0	63
28691	TIHRSG	COAL	2.	1.00	1.000	0.04	23.3	1.77	0.75	1.32	0.	0.	0.	3.83	2.888	-17.	0	70
28691	TIHRSG	COAL	2.	6.57	1.000	0.04	53.8	4.08	1.73	1.94	0.	0.	-1.52	6.24	4.699	-39.	0	125
28691	HEGT00	COAL-AF	2.	1.00	1.000	0.04	17.1	1.30	0.55	1.09	0.	0.	0.	2.94	2.214	-11.	0	82
28691	HEGT00	COAL-AF	2.	10.17	1.000	0.04	35.5	2.69	1.14	1.49	0.	0.	-2.50	2.83	2.129	-20.	0	29
28691	FCMCCL	COAL	2.	1.00	9.257	0.04	18.0	1.40	0.59	1.13	2.73	0.	0.	5.85	4.409	-21.	0	60
28691	FCMCCL	COAL	2.	16.89	0.053	0.04	39.9	3.10	1.32	2.06	4.73	0.	-4.34	6.87	5.175	-35.	0	71
28691	GTSOAR	RESIDUA	2.	1.00	0.103	0.04	6.8	0.50	0.21	0.54	0.51	0.	0.	1.76	1.325	-2.	0	65
28691	GTAC08	RESIDUA	2.	1.00	0.185	0.04	6.5	0.48	0.20	0.53	0.54	0.	0.	1.76	1.324	-2.	0	63
28691	GTAC12	RESIDUA	2.	1.00	0.049	0.04	6.4	0.48	0.20	0.52	0.48	0.	0.	1.69	1.270	-2.	0	65
28691	GTAC16	RESIDUA	2.	1.00	0.009	0.04	6.5	0.48	0.20	0.52	0.45	0.	0.	1.66	1.252	-2.	0	67
28691	GTWC16	RESIDUA	2.	1.00	0.016	0.04	6.7	0.50	0.21	0.53	0.47	0.	0.	1.70	1.282	-2.	0	67
28691	GTSOAR	DISTILL	2.	1.00	0.096	0.04	6.4	0.47	0.20	0.52	0.62	0.	0.	1.81	1.366	-2.	0	61
28691	GTRA08	DISTILL	2.	1.00	0.104	0.04	6.8	0.50	0.21	0.53	0.50	0.	0.	1.75	1.321	-2.	0	65
28691	GTRA12	DISTILL	2.	1.00	0.106	0.04	6.7	0.50	0.21	0.53	0.50	0.	0.	1.74	1.313	-2.	0	65
28691	GTRA16	DISTILL	2.	1.00	0.083	0.04	6.9	0.51	0.22	0.53	0.52	0.	0.	1.77	1.335	-2.	0	65
28691	GTR208	DISTILL	2.	1.00	0.000	0.04	6.7	0.50	0.21	0.53	0.56	0.	0.	1.80	1.356	-2.	0	63
28691	GTR212	DISTILL	2.	1.00	0.030	0.04	6.8	0.50	0.21	0.53	0.54	0.	0.	1.79	1.347	-2.	0	64
28691	GTR216	DISTILL	2.	1.00	0.050	0.04	6.8	0.50	0.21	0.53	0.53	0.	0.	1.78	1.341	-2.	0	64
28691	GTRW08	DISTILL	2.	1.00	0.088	0.04	6.9	0.51	0.22	0.53	0.51	0.	0.	1.77	1.334	-2.	0	65
28691	GTRW12	DISTILL	2.	1.00	0.121	0.04	6.9	0.51	0.22	0.53	0.49	0.	0.	1.75	1.320	-2.	0	66
28691	GTRW16	DISTILL	2.	1.00	0.104	0.04	7.0	0.52	0.22	0.53	0.50	0.	0.	1.78	1.337	-2.	0	65

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	CANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC					%	PAY				
		MW	REQD	RATIO	*10**6	INSNC								15%	BACK				
28691	GTR312	DISTILL	2.	1.00	0.064	0.04	6.8	0.50	0.21	0.53	0.53	0.	0.	1.78	1.338	-2.	0	64	
28691	GTR316	DISTILL	2.	1.00	0.056	0.04	6.9	0.51	0.22	0.53	0.53	0.	0.	1.79	1.351	-3.	0	61	
28691	FCPADS	DISTILL	2.	1.00	0.158	0.04	7.0	0.52	0.22	0.62	0.47	0.	0.	1.82	1.374	-3.	0	65	
28691	FCMCDS	DISTILL	2.	1.00	0.223	0.04	7.0	0.52	0.22	0.60	0.44	0.	0.	1.78	1.343	-3.	0	67	
28692	ONOCGN	RESIDUA	6.	0.	0.	0.13	5.1	0.38	0.16	0.40	5.07	1.73	0.	7.74	1.000	0.	0	0	
28692	PFBSTM	COAL-PF	6.	0.83	0.116	0.13	16.2	1.23	0.52	1.29	3.33	0.29	0.	6.66	0.860	-2.	11	8	
28692	TIHRSG	RESIDUA	6.	1.00	0.046	0.13	30.6	2.26	0.96	1.21	6.50	0.	0.	10.94	1.414	-22.	0	78	
28692	TIHRSG	RESIDUA	6.	2.00	0.073	0.13	46.5	3.45	1.47	1.46	7.93	0.	-1.04	13.27	1.714	-37.	0	73	
28692	TIHRSG	COAL	6.	1.00	0.046	0.13	43.4	3.29	1.40	1.95	3.78	0.	0.	10.41	1.346	-27.	0	999	
28692	TIHRSG	COAL	6.	2.00	0.073	0.13	59.8	4.54	1.93	2.14	4.51	0.	-1.04	12.18	1.574	-40.	0	999	
28692	HEGT00	COAL-AF	6.	1.00	0.035	0.13	26.8	2.03	0.86	1.46	3.82	0.	0.	8.18	1.057	-12.	3	17	
28692	HEGT00	COAL-AF	6.	3.04	0.070	0.13	38.8	2.95	1.25	1.63	5.61	0.	-2.12	9.31	1.204	-21.	0	23	
28692	FCMCCL	COAL	6.	1.00	0.135	0.13	25.8	2.01	0.85	1.52	3.43	0.	0.	7.80	1.009	-11.	5	14	
28692	FCMCCL	COAL	6.	5.02	0.333	0.13	43.5	3.38	1.44	2.25	5.36	0.	-4.18	8.25	1.067	-21.	4	16	
28692	GTSOAR	RESIDUA	6.	1.00	0.086	0.13	9.4	0.70	0.30	0.67	6.23	0.	0.	7.90	1.021	-3.	1	23	
28692	GTSOAR	RESIDUA	6.	6.61	0.233	0.13	17.9	1.32	0.56	0.80	12.75	0.	-5.84	9.59	1.240	-12.	0	71	
28692	GTAC08	RESIDUA	6.	1.00	0.136	0.13	8.7	0.65	0.27	0.65	5.89	0.	0.	7.46	0.964	-1.	10	9	
28692	GTAC08	RESIDUA	6.	4.06	0.309	0.13	11.9	0.89	0.38	0.60	8.41	0.	-3.19	7.09	0.916	-1.	11	8	
28692	GTAC12	RESIDUA	6.	1.00	0.136	0.13	8.7	0.65	0.27	0.64	5.89	0.	0.	7.46	0.964	-1.	10	9	
28692	GTAC12	RESIDUA	6.	5.01	0.336	0.13	13.8	1.02	0.44	0.66	9.17	0.	-4.17	7.12	0.921	-2.	10	9	
28692	GTAC16	RESIDUA	6.	1.00	0.126	0.13	8.9	0.66	0.28	0.65	5.96	0.	0.	7.55	0.975	-1.	9	10	
28692	GTAC16	RESIDUA	6.	6.00	0.332	0.13	16.3	1.21	0.51	0.73	10.39	0.	-5.20	7.63	0.987	-5.	3	12	
28692	GTWC16	RESIDUA	6.	1.00	0.120	0.13	9.2	0.68	0.29	0.66	6.00	0.	0.	7.63	0.986	-2.		11	
28692	GTWC16	RESIDUA	6.	5.98	0.316	0.13	15.9	1.18	0.50	0.73	10.62	0.	-5.18	7.84	1.013	-5.		15	
28692	GTSCAD	DISTILL	6.	1.00	0.126	0.13	8.5	0.63	0.27	0.64	7.31	0.	0.	8.84	1.143	-5.		60	
28692	GTSCAD	DISTILL	6.	4.95	0.309	0.13	12.6	0.93	0.40	0.63	11.62	0.	-4.11	9.46	1.223	-9.		62	
28692	GTRA08	DISTILL	6.	1.00	0.081	0.13	9.5	0.71	0.30	0.67	7.68	0.	0.	9.35	1.209	-7.	0	59	
28692	GTRA08	DISTILL	6.	13.60	0.261	0.13	29.7	2.20	0.94	1.16	26.10	0.	-13.10	17.30	2.235	-41.	0	59	
28692	GTRA12	DISTILL	6.	1.00	0.091	0.13	9.5	0.70	0.30	0.67	7.60	0.	0.	9.27	1.198	-7.	0	59	
28692	GTRA12	DISTILL	6.	11.69	0.284	0.13	27.5	2.04	0.87	1.09	22.37	0.	-11.12	15.25	1.970	-34.	0	59	
28692	GTRA16	DISTILL	6.	1.00	0.096	0.13	9.8	0.72	0.31	0.67	7.56	0.	0.	9.26	1.197	-7.	0	60	
28692	GTRA16	DISTILL	6.	9.99	0.290	0.13	26.0	1.93	0.82	1.03	19.60	0.	-9.34	14.04	1.814	-30.	0	60	
28692	GTR208	DISTILL	6.	1.00	0.102	0.13	9.3	0.69	0.29	0.66	7.51	0.	0.	9.14	1.182	-6.	0	60	
28692	GTR208	DISTILL	6.	7.30	0.285	0.13	18.6	1.38	0.59	0.82	15.63	0.	-6.55	11.86	1.533	-19.	0	60	
28692	GTR212	DISTILL	6.	1.00	0.102	0.13	9.4	0.70	0.30	0.66	7.50	0.	0.	9.16	1.184	-7.	0	60	
28692	GTR212	DISTILL	6.	7.88	0.291	0.13	20.2	1.50	0.64	0.86	16.37	0.	-7.16	12.21	1.578	-21.	0	60	
28692	GTR216	DISTILL	6.	1.00	0.104	0.13	9.5	0.71	0.30	0.67	7.49	0.	0.	9.16	1.184	-7.	0	60	
28692	GTR216	DISTILL	6.	8.21	0.299	0.13	21.8	1.61	0.69	0.90	16.69	0.	-7.50	12.39	1.602	-22.	0	60	
28692	GTRW08	DISTILL	6.	1.00	0.072	0.13	9.6	0.71	0.30	0.67	7.76	0.	0.	9.45	1.221	-8.	0	59	
28692	GTRW08	DISTILL	6.	15.06	0.236	0.13	30.2	2.24	0.95	1.19	29.39	0.	-14.62	19.15	2.476	-48.	0	58	
28692	GTRW12	DISTILL	6.	1.00	0.085	0.13	9.7	0.72	0.30	0.67	7.65	0.	0.	9.33	1.206	-7.	0	59	
28692	GTRW12	DISTILL	6.	13.70	0.275	0.13	28.3	2.10	0.89	1.13	25.80	0.	-13.21	16.70	2.158	-39.	0	59	
28692	GTRW16	DISTILL	6.	1.00	0.091	0.13	9.9	0.73	0.31	0.67	7.60	0.	0.	9.31	1.204	-7.	0	60	

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST				ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
28692 GTR308 DISTILL	6.	1.00	0.067	0.13	9.2	0.69	0.29	0.67	7.80	0.	0.	9.44	1.220	-7.	0	59			
28692 GTR308 DISTILL	6.	9.90	0.202	0.13	22.2	1.64	0.70	0.95	21.89	0.	-9.26	15.92	2.058	-34.	0	59			
28692 GTR312 DISTILL	6.	1.00	0.101	0.13	9.4	0.70	0.30	0.66	7.51	0.	0.	9.17	1.185	-7.	0	60			
28692 GTR312 DISTILL	6.	8.75	0.297	0.13	20.3	1.51	0.64	0.87	17.53	0.	-8.06	12.49	1.614	-22.	0	60			
28692 GTR316 DISTILL	6.	1.00	0.101	0.13	9.7	0.71	0.30	0.67	7.51	0.	0.	9.20	1.189	-7.	0	60			
28692 GTR316 DISTILL	6.	8.56	0.295	0.13	20.9	1.55	0.66	0.89	17.30	0.	-7.86	12.53	1.620	-22.	0	60			
28692 FCPADS DISTILL	6.	1.00	0.084	0.13	9.8	0.73	0.31	1.09	7.66	0.	0.	9.79	1.265	-9.	0	59			
28692 FCPADS DISTILL	6.	17.24	0.279	0.13	58.1	4.30	1.83	10.30	31.08	0.	-16.89	30.62	3.958	-98.	0	60			
28692 FCMCDS DISTILL	6.	1.00	0.112	0.13	10.1	0.75	0.32	1.06	7.42	0.	0.	9.54	1.233	-8.	0	60			
28692 FCMCDS DISTILL	6.	13.64	0.360	0.13	50.1	3.71	1.58	7.74	22.68	0.	-13.14	22.57	2.917	-68.	0	62			
28693 ONOCGN RESIDUA	4.	0.	0.	0.04	13.3	0.99	0.42	0.69	10.65	1.09	0.	13.84	1.000	0.	0	0			
28693 STM141 RESIDUA	4.	1.00	0.059	0.04	13.7	1.04	0.44	0.96	11.07	0.	0.	13.51	0.976	1.	31	4			
28693 STM141 RESIDUA	4.	5.17	0.217	0.04	15.6	1.19	0.50	0.86	12.80	0.	-2.74	12.61	0.911	3.	30	4			
28693 STM141 COAL-FG	4.	1.00	0.059	0.04	28.6	2.17	0.92	1.94	6.43	0.	0.	11.46	0.828	-0.	14	7			
28693 STM141 COAL-FG	4.	5.17	0.217	0.04	29.1	2.21	0.94	1.75	7.43	0.	-2.74	9.59	0.693	6.	20	5			
28693 STM141 COAL-AF	4.	1.00	0.059	0.04	26.9	2.04	0.87	1.85	6.43	0.	0.	11.19	0.808	2.	16	6			
28693 STM141 COAL-AF	4.	5.17	0.217	0.04	20.7	1.57	0.67	1.57	7.43	0.	-2.74	8.50	0.614	13.	40	3			
28693 STM088 RESIDUA	4.	1.00	0.059	0.04	12.2	0.93	0.39	0.94	11.07	0.	0.	13.33	0.963	2.	999	0			
28693 STM088 RESIDUA	4.	3.61	0.170	0.04	13.9	1.06	0.45	0.82	12.15	0.	-1.71	12.76	0.922	3.	62	2			
28693 STM088 COAL-FG	4.	1.00	0.059	0.04	28.9	2.19	0.93	1.96	6.43	0.	0.	11.51	0.832	-0.	14	7			
28693 STM088 COAL-FG	4.	3.61	0.170	0.04	26.9	2.04	0.87	1.64	7.05	0.	-1.71	9.89	0.715	6.	21	5			
28693 STM088 COAL-AF	4.	1.00	0.059	0.04	26.7	2.03	0.86	1.88	6.43	0.	0.	11.19	0.809	2.	16	6			
28693 STM088 COAL-AF	4.	3.61	0.170	0.04	19.6	1.49	0.63	1.51	7.05	0.	-1.71	8.97	0.648	12.	42	3			
28693 PFBSTM COAL-PF	4.	1.00	0.057	0.04	27.9	2.12	0.90	1.92	6.44	0.	0.	11.37	0.822	0.	15	6			
28693 PFBSTM COAL-PF	4.	8.79	0.290	0.04	35.0	2.66	1.13	2.65	8.39	0.	-5.12	9.71	0.702	2.	16	6			
28693 TISTMT RESIDUA	4.	1.00	0.058	0.04	25.0	1.90	0.81	1.21	11.08	0.	0.	15.00	1.083	-9.	0	178			
28693 TISTMT RESIDUA	4.	10.70	0.322	0.04	81.2	6.16	2.62	2.71	15.22	0.	-6.37	20.34	1.469	-53.	0	155			
28693 TISTMT COAL	4.	1.00	0.058	0.04	36.9	2.80	1.19	2.09	6.43	0.	0.	12.51	0.904	-7.	9	9			
28693 TISTMT COAL	4.	11.89	0.338	0.04	109.0	8.27	3.52	3.82	9.13	0.	-7.16	17.58	1.270	-58.	1	24			
28693 TIHRSG RESIDUA	4.	1.00	0.043	0.04	27.6	2.04	0.87	1.22	11.25	0.	0.	15.38	1.111	-12.	0	96			
28693 TIHRSG RESIDUA	4.	5.59	0.166	0.04	72.9	5.40	2.30	2.36	14.02	0.	-3.01	21.06	1.521	-51.	0	80			
28693 TIHRSG COAL	4.	1.00	0.043	0.04	43.7	3.32	1.41	2.21	6.53	0.	0.	13.48	0.974	-14.	6	12			
28693 TIHRSG COAL	4.	6.21	0.178	0.04	98.7	7.49	3.19	3.40	8.36	0.	-3.42	19.02	1.374	-57.	0	909			
28693 STIRL DISTILL	4.	1.00	0.042	0.04	18.2	1.34	0.57	0.99	13.81	0.	0.	16.72	1.208	-11.	0	58			
28693 STIRL DISTILL	4.	13.54	0.259	0.04	37.2	2.76	1.17	1.59	23.26	0.	-8.24	20.54	1.484	-32.	0	60			
28693 STIRL RESIDUA	4.	1.00	0.042	0.04	18.2	1.35	0.57	0.99	11.27	0.	0.	14.17	1.024	-3.	0	909			
28693 STIRL RESIDUA	4.	13.54	0.259	0.04	37.3	2.76	1.17	1.59	18.98	0.	-8.24	16.26	1.175	-19.	0	115			
28693 STIRL COAL	4.	1.00	0.042	0.04	28.8	2.13	0.91	1.82	6.54	0.	0.	11.40	0.824	0.	15	7			
28693 STIRL COAL	4.	15.05	0.270	0.04	68.8	5.10	2.17	2.92	11.55	0.	-9.23	12.51	0.904	-22.	7	11			
28693 HEGT85 COAL-AF	4.	1.00	0.013	0.04	32.6	2.47	1.05	1.82	6.73	0.	0.	12.08	0.873	-4.	11	8			
28693 HEGT85 COAL-AF	4.	77.36	0.126	0.04	269.1	20.42	8.68	10.24	48.71	0.	-50.16	37.91	2.739	-199.	0	197			
28693 HEGT60 COAL-AF	4.	1.00	0.018	0.04	32.3	2.45	1.04	1.82	6.71	0.	0.	12.02	0.868	-4.	11	8			
28693 HEGT60 COAL-AF	4.	25.39	0.135	0.04	121.0	9.18	3.90	4.69	19.41	0.	-16.02	21.17	1.530	-75.	0	999			

HONEYWELL PAGE PRINTING SYSTEM - 31115-01

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	+		ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
28693 HEGT00	COAL-AF	4.	10.27	0.117	0.04	66.3	5.03	2.14	2.78	11.27	0.	-6.09	15.14	1.094	-30.	3	18		
28693 FCMCCL	COAL	4.	1.00	0.051	0.04	34.3	2.67	1.13	1.94	7.17	0.	0.	12.91	0.933	-8.	8	10		
28693 FCMCCL	COAL	4.	18.30	0.311	0.04	79.4	6.17	2.62	4.28	12.34	0.	-11.36	14.05	1.015	-34.	5	14		
28693 FCSTCL	COAL	4.	1.00	0.049	0.04	33.7	2.62	1.11	1.97	7.16	0.	0.	12.87	0.930	-7.	8	10		
28693 FCSTCL	COAL	4.	26.65	0.376	0.04	94.2	7.33	3.11	5.13	14.51	0.	-16.85	13.23	0.956	-38.	5	13		
28693 IGGTST	COAL	4.	1.00	0.060	0.04	32.8	2.55	1.08	1.96	7.23	0.	0.	12.82	0.926	-7.	8	10		
28693 IGGTST	COAL	4.	18.33	0.246	0.04	72.7	5.65	2.40	2.64	13.52	0.	-11.38	12.83	0.927	-26.	6	12		
28693 GTSOAR	RESIDUA	4.	1.00	0.042	0.04	17.3	1.28	0.55	0.93	11.26	0.	0.	14.02	1.013	-2.	0	27		
28693 GTSOAR	RESIDUA	4.	17.54	0.288	0.04	28.5	2.11	0.90	1.30	21.35	0.	-10.86	14.80	1.069	-10.	0	999		
28693 GTAC08	RESIDUA	4.	1.00	0.050	0.04	16.8	1.25	0.53	0.92	11.17	0.	0.	13.87	1.002	-2.	4	15		
28693 GTAC08	RESIDUA	4.	13.46	0.310	0.04	22.5	1.67	0.71	1.13	17.59	0.	-8.18	12.92	0.933	-1.	12	8		
28693 GTAC12	RESIDUA	4.	1.00	0.049	0.04	16.8	1.25	0.53	0.92	11.18	0.	0.	13.87	1.002	-2.	4	15		
28693 GTAC12	RESIDUA	4.	16.85	0.333	0.04	26.5	1.96	0.83	1.24	19.50	0.	-10.41	13.13	0.949	-4.	9	9		
28693 GTAC16	RESIDUA	4.	1.00	0.048	0.04	16.9	1.25	0.53	0.92	11.19	0.	0.	13.89	1.004	-2.	4	16		
28693 GTAC16	RESIDUA	4.	19.15	0.341	0.04	30.1	2.23	0.95	1.34	20.93	0.	-11.92	13.52	0.977	-7.	6	12		
28693 GTWC16	RESIDUA	4.	1.00	0.044	0.04	17.2	1.27	0.54	0.93	11.24	0.	0.	13.98	1.010	-2.	1	23		
28693 GTWC16	RESIDUA	4.	19.96	0.315	0.04	29.1	2.15	0.92	1.33	22.37	0.	-12.46	14.31	1.034	-9.	2	20		
28693 CC1626	RESIDUA	4.	1.00	0.043	0.04	16.9	1.29	0.55	0.99	11.25	0.	0.	14.07	1.016	-3.	0	999		
28693 CC1626	RESIDUA	4.	30.31	0.348	0.04	37.5	2.85	1.21	1.72	28.73	0.	-19.25	15.26	1.102	-16.	0	999		
28693 CC1622	RESIDUA	4.	1.00	0.045	0.04	16.7	1.27	0.54	0.98	11.22	0.	0.	14.01	1.012	-2.	0	27		
28693 CC1622	RESIDUA	4.	27.24	0.356	0.04	37.4	2.84	1.21	1.68	26.21	0.	-17.23	14.70	1.062	-14.	1	22		
28693 CC1222	RESIDUA	4.	1.00	0.046	0.04	16.6	1.26	0.54	0.98	11.22	0.	0.	13.99	1.011	-2.	1	25		
28693 CC1222	RESIDUA	4.	27.08	0.359	0.04	35.5	2.70	1.15	1.65	25.98	0.	-17.13	14.34	1.036	-12.	3	18		
28693 CC0822	RESIDUA	4.	1.00	0.049	0.04	16.8	1.27	0.54	0.99	11.18	0.	0.	13.98	1.010	-2.	1	23		
28693 CC0822	RESIDUA	4.	21.43	0.360	0.04	29.7	2.26	0.96	1.47	21.95	0.	-13.42	13.22	0.955	-6.	7	10		
28693 STIG15	RESIDUA	4.	1.00	0.016	0.04	16.9	1.25	0.53	0.94	11.56	0.	0.	14.29	1.032	-3.	0	85		
28693 STIG15	RESIDUA	4.	751.59	0.171	0.04	671.0	49.70	21.13	39.86	696.39	0.	-493.01	314.07	22.691	-1252.	0	58		
28693 STIG10	RESIDUA	4.	1.00	0.023	0.04	16.7	1.24	0.53	0.93	11.48	0.	0.	14.17	1.024	-3.	0	192		
28693 STIG10	RESIDUA	4.	69.50	0.218	0.04	75.9	5.62	2.39	4.04	68.32	0.	-44.99	35.38	2.556	-97.	0	59		
28693 STIG15	RESIDUA	4.	1.00	0.026	0.04	16.6	1.23	0.52	0.93	11.44	0.	0.	14.13	1.021	-2.	0	999		
28693 STIG15	RESIDUA	4.	40.78	0.228	0.04	47.1	3.48	1.48	2.73	42.95	0.	-26.13	24.51	1.771	-49.	0	60		
28693 DEADV3	RESIDUA	4.	1.00	0.032	0.04	20.1	1.49	0.63	1.02	11.37	0.	0.	14.51	1.048	-5.	0	135		
28693 DEADV3	RESIDUA	4.	46.41	0.286	0.04	111.5	8.26	3.51	3.62	44.17	0.	-29.83	29.72	2.148	-96.	0	67		
28693 DEHTPM	RESIDUA	4.	1.00	0.048	0.04	20.2	1.50	0.64	1.06	11.19	0.	0.	14.38	1.039	-5.	0	999		
28693 DEHTPM	RESIDUA	4.	19.57	0.345	0.04	56.8	4.20	1.79	2.18	21.13	0.	-12.20	17.10	1.235	-31.	0	999		
28693 DESO3	DISTILL	4.	1.00	0.027	0.04	19.1	1.41	0.60	1.00	14.01	0.	0.	17.02	1.230	-13.	0	58		
28693 DESO3	DISTILL	4.	54.14	0.248	0.04	159.8	11.84	5.03	4.87	64.90	0.	-34.91	51.74	3.738	-187.	0	61		
28693 DESO3	RESIDUA	4.	1.00	0.027	0.04	19.1	1.41	0.60	1.00	11.43	0.	0.	14.44	1.043	-5.	0	115		
28693 DESO3	RESIDUA	4.	54.14	0.248	0.04	159.8	11.84	5.03	4.87	52.95	0.	-34.91	39.78	2.874	-150.	0	65		
28693 GTSO3	DISTILL	4.	1.00	0.047	0.04	16.7	1.23	0.52	0.92	13.73	0.	0.	16.41	1.185	-10.	0	57		
28693 GTSO3	DISTILL	4.	16.26	0.312	0.04	23.6	1.75	0.74	1.17	24.09	0.	-10.02	17.73	1.281	-17.	0	59		
28693 GTRA08	DISTILL	4.	1.00	0.043	0.04	17.4	1.29	0.55	0.93	13.79	0.	0.	16.56	1.196	-10.	0	57		
28693 GTRA08	DISTILL	4.	27.23	0.338	0.04	40.7	3.01	1.28	1.64	33.00	0.	-17.23	21.71	1.569	-37.	0	60		

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100						
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES CANDM FUEL PURCHD REVENUE TOTAL NORML PRESNT ROI GROSS	SYSTEM	FUEL	REQD	GEN/	/HEAT	COST								

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV SYSTEM	SITE- FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT COST RATIO *10**6	CAPITAL TAXES + INSNC	CAPITAL TAXES + INSNC	OANDM FUEL	PURCHD ELEC	REVENUE TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK						
28694 STIRL	RESIDUA	3.	1.00	0.034	0.03	19.5	1.45	0.62	1.04	12.08	0.	0.	15.18	1.030	-4.	0	999		
28694 STIRL	RESIDUA	3.	13.70	0.231	0.03	38.9	2.88	1.23	1.66	19.49	0.	-7.65	17.62	1.195	-21.	0	85		
28694 STIRL	COAL	3.	1.00	0.034	0.03	31.2	2.31	0.98	1.94	7.01	0.	0.	12.25	0.830	-0.	14	7		
28694 STIRL	COAL	3.	16.12	0.248	0.03	73.5	5.45	2.31	3.09	12.14	0.	-9.10	13.89	0.942	-25.	6	12		
28694 HEGT60	COAL-AF	3.	1.00	0.003	0.03	33.6	2.55	1.08	1.91	7.24	0.	0.	12.79	0.867	-3.	11	8		
28694 HEGT60	COAL-AF	3.	49.08	0.030	0.03	181.3	13.76	5.85	7.19	34.43	0.	-28.95	32.28	2.189	-135.	0	110		
28694 HEGT00	COAL-AF	3.	1.00	0.015	0.03	33.2	2.52	1.07	1.92	7.15	0.	0.	12.66	0.859	-3.	12	8		
28694 HEGT00	COAL-AF	3.	13.35	0.099	0.03	75.1	5.70	2.42	3.15	13.07	0.	-7.43	16.92	1.147	-36.	1	22		
28694 FCMCCL	COAL	3.	1.00	0.119	0.03	36.3	2.82	1.20	2.04	8.13	0.	0.	14.19	0.962	-9.	7	11		
28694 FCMCCL	COAL	3.	22.93	0.296	0.03	87.8	6.82	2.90	4.78	14.17	0.	-13.20	15.47	1.049	-39.	4	15		
28694 FCSTCL	COAL	3.	1.00	0.118	0.03	36.0	2.80	1.19	2.09	8.12	0.	0.	14.20	0.963	-9.	7	11		
28694 FCSTCL	COAL	3.	28.51	0.340	0.03	97.0	7.54	3.20	5.35	15.44	0.	-16.57	14.97	1.015	-42.	5	14		
28694 IGGTST	COAL	3.	1.00	0.129	0.03	35.0	2.72	1.16	2.07	8.20	0.	0.	14.15	0.960	-9.	7	11		
28694 IGGTST	COAL	3.	18.75	0.188	0.03	74.2	5.77	2.45	2.69	14.36	0.	-10.69	14.59	0.990	-29.	5	13		
28694 GTSOAR	RESIDUA	3.	1.00	0.033	0.03	18.3	1.36	0.58	0.97	12.10	0.	0.	15.00	1.017	-3.	0	999		
28694 GTSOAR	RESIDUA	3.	22.28	0.269	0.03	34.5	2.55	1.09	1.51	24.86	0.	-12.81	17.19	1.166	-17.	0	81		
28694 GTAC08	RESIDUA	3.	1.00	0.043	0.03	17.9	1.32	0.56	0.96	11.97	0.	0.	14.81	1.005	-2.	3	17		
28694 GTAC08	RESIDUA	3.	15.80	0.311	0.03	24.5	1.82	0.77	1.22	18.94	0.	-8.91	13.83	0.938	-2.	11	8		
28694 GTAC12	RESIDUA	3.	1.00	0.042	0.03	17.8	1.32	0.56	0.95	11.98	0.	0.	14.82	1.005	-2.	3	17		
28694 GTAC12	RESIDUA	3.	19.90	0.332	0.03	28.8	2.14	0.91	1.34	21.11	0.	-11.38	14.12	0.958	-5.	8	10		
28694 GTAC16	RESIDUA	3.	1.00	0.041	0.03	17.9	1.33	0.56	0.95	12.00	0.	0.	14.85	1.007	-2.	2	20		
28694 GTAC16	RESIDUA	3.	23.06	0.336	0.03	33.0	2.45	1.04	1.46	23.11	0.	-13.28	14.77	1.002	-9.	5	14		
28694 GTWC16	RESIDUA	3.	1.00	0.038	0.03	18.2	1.35	0.57	0.96	12.03	0.	0.	14.92	1.012	-2.	0	27		
28694 GTWC16	RESIDUA	3.	23.46	0.316	0.03	31.4	2.32	0.99	1.43	24.10	0.	-13.52	15.32	1.039	-10.	2	22		
28694 DEHTPM	RESIDUA	3.	1.00	0.035	0.03	21.8	1.62	0.69	1.12	12.06	0.	0.	15.47	1.049	-6.	0	153		
28694 DEHTPM	RESIDUA	3.	20.14	0.286	0.03	62.3	4.62	1.96	2.36	22.76	0.	-11.52	20.18	1.368	-40.	0	88		
28694 GTSOAR	DISTILL	3.	1.00	0.040	0.03	17.7	1.31	0.56	0.95	14.72	0.	0.	17.54	1.190	-10.	0	57		
28694 GTSOAR	DISTILL	3.	19.41	0.309	0.03	25.9	1.92	0.81	1.27	26.37	0.	-11.09	19.29	1.308	-20.	0	59		
28694 GTRA08	DISTILL	3.	1.00	0.033	0.03	18.4	1.37	0.58	0.96	14.82	0.	0.	17.73	1.203	-11.	0	57		
28694 GTRA08	DISTILL	3.	37.10	0.314	0.03	47.9	3.54	1.51	1.89	41.23	0.	-21.74	26.43	1.793	-52.	0	59		
28694 GTRA12	DISTILL	3.	1.00	0.035	0.03	18.3	1.36	0.58	0.96	14.80	0.	0.	17.69	1.200	-11.	0	57		
28694 GTRA12	DISTILL	3.	35.08	0.325	0.03	47.4	3.51	1.49	1.87	38.87	0.	-20.52	25.23	1.711	-48.	0	60		
28694 GTRA16	DISTILL	3.	1.00	0.035	0.03	18.5	1.37	0.58	0.97	14.79	0.	0.	17.71	1.201	-11.	0	57		
28694 GTRA16	DISTILL	3.	31.96	0.324	0.03	46.9	3.47	1.48	1.85	36.33	0.	-18.64	24.48	1.660	-46.	0	60		
28694 GTR208	DISTILL	3.	1.00	0.036	0.03	18.2	1.35	0.57	0.96	14.78	0.	0.	17.66	1.198	-11.	0	57		
28694 GTR208	DISTILL	3.	25.56	0.308	0.03	36.8	2.72	1.16	1.57	31.69	0.	-14.79	22.36	1.516	-34.	0	59		
28694 GTR212	DISTILL	3.	1.00	0.036	0.03	18.3	1.35	0.58	0.96	14.78	0.	0.	17.67	1.198	-11.	0	57		
28694 GTR212	DISTILL	3.	27.44	0.314	0.03	39.4	2.91	1.24	1.64	32.99	0.	-15.92	22.86	1.550	-37.	0	59		
28694 GTR216	DISTILL	3.	1.00	0.037	0.03	18.3	1.36	0.58	0.96	14.77	0.	0.	17.67	1.198	-11.	0	57		
28694 GTR216	DISTILL	3.	28.26	0.323	0.03	42.0	3.11	1.32	1.71	33.26	0.	-16.41	23.00	1.560	-39.	0	60		
28694 GTRW08	DISTILL	3.	1.00	0.028	0.03	18.5	1.37	0.58	0.97	14.90	0.	0.	17.81	1.208	-12.	0	57		
28694 GTRW08	DISTILL	3.	43.47	0.277	0.03	49.3	3.65	1.55	1.96	49.12	0.	-25.57	30.72	2.033	-66.	0	58		
28694 GTRW12	DISTILL	3.	1.00	0.031	0.03	18.5	1.37	0.58	0.96	14.85	0.	0.	17.77	1.205	-11.	0	57		

GENERAL ELECTRIC COMPANY
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REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****[LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)]*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST					ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
28694 GTRW16 DISTILL		3.	1.00	0.032	0.03	18.6	1.38	0.59	0.97	14.84	0.	0.	17.77	1.205	-11.	0	57		
28694 GTRW16 DISTILL		3.	38.72	0.307	0.03	47.5	3.52	1.50	1.89	43.03	0.	-22.71	27.22	1.846	-55.	0	59		
28694 GTR308 DISTILL		3.	1.00	0.026	0.03	18.2	1.35	0.57	0.96	14.94	0.	0.	17.82	1.209	-11.	0	57		
28694 GTR308 DISTILL		3.	32.45	0.236	0.03	38.6	2.86	1.22	1.67	41.52	0.	-18.93	28.33	1.921	-54.	0	58		
28694 GTR312 DISTILL		3.	1.00	0.034	0.03	18.3	1.36	0.58	0.96	14.82	0.	0.	17.71	1.201	-11.	0	57		
28694 GTR312 DISTILL		3.	32.36	0.308	0.03	40.1	2.97	1.26	1.68	37.53	0.	-18.88	24.57	1.666	-43.	0	59		
28694 GTR316 DISTILL		3.	1.00	0.033	0.03	18.5	1.37	0.58	0.97	14.82	0.	0.	17.73	1.203	-11.	0	57		
28694 GTR316 DISTILL		3.	31.80	0.305	0.03	41.1	3.05	1.30	1.71	37.21	0.	-18.54	24.72	1.676	-44.	0	59		
28694 FCPADS DISTILL		3.	1.00	0.026	0.03	19.6	1.45	0.62	1.21	14.93	0.	0.	18.21	1.235	-13.	0	58		
28694 FCPADS DISTILL		3.	67.50	0.279	0.03	131.4	9.73	4.14	23.32	70.46	0.	-40.04	67.61	4.585	-223.	0	60		
28694 FCMCDS DISTILL		3.	1.00	0.035	0.03	19.7	1.46	0.62	1.19	14.79	0.	0.	18.07	1.225	-13.	0	58		
28694 FCMCDS DISTILL		3.	53.39	0.360	0.03	113.4	8.40	3.57	17.56	51.41	0.	-31.55	49.38	3.349	-157.	0	61		
28731 ONCCGN RESIDUA		4.	0.	0.	0.02	22.1	1.63	0.70	0.98	23.01	1.13	0.	27.45	1.000	0.	0	0		
28731 PFBSTM COAL-PF		4.	1.00	0.026	0.02	40.2	3.05	1.30	2.77	13.66	0.	0.	20.76	0.757	12.	25	4		
28731 PFBSTM COAL-PF		4.	6.36	0.132	0.02	42.3	3.21	1.37	3.72	15.25	0.	-3.64	19.92	0.725	13.	25	4		
28731 TIHRSG RESIDUA		4.	1.00	0.009	0.02	34.9	2.58	1.10	1.49	23.94	0.	0.	29.11	1.060	-11.	0	77		
28731 TIHRSG RESIDUA		4.	13.87	0.073	0.02	138.6	10.26	4.36	3.96	35.98	0.	-8.74	45.83	1.669	-112.	0	68		
28731 TIHRSG COAL		4.	1.00	0.009	0.02	61.6	4.67	1.99	3.03	13.90	0.	0.	23.59	0.859	-7.	11	8		
28731 TIHRSG COAL		4.	13.87	0.073	0.02	176.4	13.38	5.69	5.95	20.89	0.	-8.74	37.18	1.354	-105.	0	999		
28731 HEGT00 COAL-AF		4.	1.00	0.006	0.02	49.7	3.77	1.60	2.64	13.93	0.	0.	21.94	0.799	4.	17	6		
28731 HEGT00 COAL-AF		4.	21.13	0.070	0.02	108.4	8.23	3.50	4.71	25.44	0.	-13.67	28.21	1.028	-44.	4	15		
28731 FCMCCL COAL		4.	1.00	0.025	0.02	55.5	4.31	1.83	2.83	13.67	0.	0.	22.65	0.825	-2.	13	7		
28731 FCMCCL COAL		4.	34.90	0.333	0.02	124.5	9.68	4.11	7.25	24.33	0.	-23.02	22.35	0.814	-35.	8	10		
28731 GTSOAR RESIDUA		4.	1.00	0.016	0.02	26.8	1.98	0.84	1.25	23.77	0.	0.	27.84	1.014	-3.	0	999		
28731 GTSOAR RESIDUA		4.	45.96	0.233	0.02	63.6	4.71	2.00	2.18	57.83	0.	-30.53	36.20	1.319	-47.	0	63		
28731 GTAC08 RESIDUA		4.	1.00	0.025	0.02	26.3	1.95	0.83	1.24	23.55	0.	0.	27.56	1.004	-2.	3	19		
28731 GTAC08 RESIDUA		4.	28.23	0.309	0.02	38.4	2.84	1.21	1.47	38.16	0.	-18.49	25.19	0.918	-1.	14	7		
28731 GTAC12 RESIDUA		4.	1.00	0.025	0.02	26.3	1.94	0.83	1.23	23.54	0.	0.	27.54	1.003	-2.	3	18		
28731 GTAC12 RESIDUA		4.	34.79	0.336	0.02	45.5	3.37	1.43	1.66	41.62	0.	-22.94	25.15	0.916	-4.	12	8		
28731 GTAC16 RESIDUA		4.	1.00	0.023	0.02	26.4	1.95	0.83	1.23	23.59	0.	0.	27.60	1.005	-2.	2	22		
28731 GTAC16 RESIDUA		4.	41.71	0.332	0.02	57.6	4.27	1.81	1.99	47.12	0.	-27.64	27.55	1.061	-17.	5	14		
28731 GTWC16 RESIDUA		4.	1.00	0.022	0.02	26.6	1.97	0.84	1.24	23.61	0.	0.	27.66	1.008	-3.	0	28		
28731 GTWC16 RESIDUA		4.	41.58	0.316	0.02	48.6	3.60	1.53	1.77	48.17	0.	-27.55	27.51	1.002	-13.	5	14		
28731 GTSOAD DISTILL		4.	1.00	0.023	0.02	26.1	1.93	0.82	1.23	28.92	0.	0.	32.90	1.198	-19.	0	56		
28731 GTSOAD DISTILL		4.	34.40	0.303	0.02	43.3	3.21	1.36	1.61	52.70	0.	-22.68	36.21	1.319	-37.	0	58		
28731 GTRA08 DISTILL		4.	1.00	0.015	0.02	26.8	1.98	0.84	1.24	29.16	0.	0.	33.23	1.210	-20.	0	56		
28731 GTRA08 DISTILL		4.	94.49	0.261	0.02	114.8	8.50	3.61	3.58	118.41	0.	-63.48	70.62	2.572	-179.	0	53		
28731 GTRA12 DISTILL		4.	1.00	0.017	0.02	26.8	1.98	0.84	1.24	29.11	0.	0.	33.17	1.208	-20.	0	56		
28731 GTRA12 DISTILL		4.	81.23	0.284	0.02	104.7	7.75	3.30	3.29	101.50	0.	-54.48	61.36	2.235	-145.	0	58		
28731 GTRA16 DISTILL		4.	1.00	0.018	0.02	27.0	2.00	0.85	1.24	29.08	0.	0.	33.17	1.208	-20.	0	56		
28731 GTRA16 DISTILL		4.	69.39	0.290	0.02	93.3	6.91	2.94	2.97	88.94	0.	-46.43	55.32	2.015	-121.	0	58		
28731 GTR208 DISTILL		4.	1.00	0.019	0.02	26.6	1.97	0.84	1.24	29.05	0.	0.	33.10	1.206	-20.	0	56		
28731 GTR208 DISTILL		4.	50.73	0.285	0.02	66.8	4.95	2.10	2.26	70.91	0.	-33.76	46.46	1.692	-81.	0	58		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESENT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	+			ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
28731	GTR212	DISTILL	4.	54.78	0.291	0.02	72.4	5.36	2.28	2.41	74.26	0.	-36.52	47.80	1.741	-87.	0	58	
28731	GTR216	DISTILL	4.	1.00	0.019	0.02	26.8	1.98	0.84	1.24	29.04	0.	0.	33.11	1.206	-20.	0	56	
28731	GTR216	DISTILL	4.	57.03	0.299	0.02	78.6	5.82	2.47	2.57	75.70	0.	-38.04	48.52	1.767	-92.	0	59	
28731	GTRW08	DISTILL	4.	1.00	0.013	0.02	26.9	1.99	0.85	1.24	29.21	0.	0.	33.29	1.213	-21.	0	56	
28731	GTRW08	DISTILL	4.	104.61	0.236	0.02	112.8	8.35	3.55	3.56	133.32	0.	-70.35	78.44	2.857	-202.	0	57	
28731	GTRW12	DISTILL	4.	1.00	0.016	0.02	26.9	1.99	0.85	1.24	29.14	0.	0.	33.22	1.210	-20.	0	56	
28731	GTRW12	DISTILL	4.	95.23	0.275	0.02	97.9	7.25	3.08	3.16	117.03	0.	-63.98	66.54	2.424	-158.	0	58	
28731	GTRW16	DISTILL	4.	1.00	0.017	0.02	27.1	2.01	0.85	1.24	29.11	0.	0.	33.21	1.210	-20.	0	56	
28731	GTRW16	DISTILL	4.	80.12	0.284	0.02	91.0	6.74	2.86	2.94	100.39	0.	-53.72	59.21	2.157	-132.	0	58	
28731	GTR308	DISTILL	4.	1.00	0.012	0.02	26.6	1.97	0.84	1.24	29.24	0.	0.	33.28	1.212	-20.	0	56	
28731	GTR308	DISTILL	4.	68.81	0.202	0.02	75.8	5.61	2.39	2.56	99.29	0.	-46.04	63.81	2.324	-139.	0	57	
28731	GTR312	DISTILL	4.	1.00	0.019	0.02	26.8	1.98	0.84	1.24	29.05	0.	0.	33.11	1.206	-20.	0	56	
28731	GTR312	DISTILL	4.	60.79	0.297	0.02	70.9	5.25	2.23	2.39	79.52	0.	-40.60	48.79	1.777	-90.	0	58	
28731	GTR316	DISTILL	4.	1.00	0.019	0.02	26.9	2.00	0.85	1.24	29.05	0.	0.	33.14	1.207	-20.	0	56	
28731	GTR316	DISTILL	4.	59.47	0.295	0.02	72.8	5.39	2.29	2.43	78.48	0.	-39.70	48.89	1.781	-91.	0	58	
28731	FCPADS	DISTILL	4.	1.00	0.015	0.02	26.9	2.14	0.91	1.55	29.15	0.	0.	33.75	1.229	-23.	0	57	
28731	FCPADS	DISTILL	4.	119.79	0.279	0.02	237.6	17.60	7.48	45.41	141.02	0.	-80.66	130.85	4.766	-431.	0	60	
28731	FCMCDS	DISTILL	4.	1.00	0.021	0.02	29.1	2.15	0.92	1.52	28.99	0.	0.	33.58	1.223	-23.	0	57	
28731	FCMCDS	DISTILL	4.	94.76	0.360	0.02	204.4	15.14	6.44	33.97	102.89	0.	-63.67	94.77	3.452	-300.	0	61	
28741	ONOCGN	RESIDUA	4.	0.	0.	0.15	3.7	0.27	0.12	0.32	3.11	1.22	0.	5.04	1.000	0.	0	0	
28741	STM141	RESIDUA	4.	1.00	0.176	0.15	6.7	0.51	0.22	0.62	3.57	0.	0.	4.91	0.974	-1.	8	10	
28741	STM141	RESIDUA	4.	1.72	0.252	0.15	9.6	0.50	0.21	0.49	3.90	0.	-0.52	4.58	0.908	0.	15	7	
28741	STM141	COAL-FG	4.	1.00	0.176	0.15	13.7	1.04	0.44	1.11	2.07	0.	0.	4.67	0.926	-4.	7	11	
28741	STM141	COAL-FG	4.	1.72	0.252	0.15	12.4	0.94	0.40	0.88	2.27	0.	-0.52	3.97	0.787	-1.	13	7	
28741	STM141	COAL-AF	4.	1.00	0.176	0.15	12.3	0.93	0.40	1.03	2.07	0.	0.	4.43	0.879	-2.	10	9	
28741	STM141	COAL-AF	4.	1.72	0.252	0.15	9.9	0.75	0.32	0.78	2.27	0.	-0.52	3.59	0.711	2.	18	5	
28741	STM088	RESIDUA	4.	1.00	0.176	0.15	6.2	0.47	0.20	0.60	3.57	0.	0.	4.84	0.961	-1.	10	9	
28741	STM088	RESIDUA	4.	1.32	0.213	0.15	5.8	0.44	0.19	0.46	3.72	0.	-0.23	4.58	0.908	0.	17	6	
28741	STM088	COAL-FG	4.	1.00	0.176	0.15	13.0	0.99	0.42	1.07	2.07	0.	0.	4.55	0.903	-3.	8	10	
28741	STM088	COAL-FG	4.	1.32	0.213	0.15	11.4	0.87	0.37	0.84	2.16	0.	-0.23	4.00	0.794	-1.	13	7	
28741	STM088	COAL-AF	4.	1.00	0.176	0.15	11.4	0.87	0.37	1.00	2.07	0.	0.	4.30	0.854	-2.	11	8	
28741	STM088	COAL-AF	4.	1.32	0.213	0.15	9.3	0.71	0.30	0.75	2.16	0.	-0.23	3.68	0.731	1.	19	5	
28741	PFBSTM	COAL-PF	4.	1.00	0.174	0.15	14.8	1.12	0.48	1.17	2.08	0.	0.	4.85	0.962	-5.	6	12	
28741	PFBSTM	COAL-PF	4.	2.61	0.312	0.15	15.5	1.18	0.50	1.13	2.52	0.	-1.18	4.15	0.823	-3.	10	9	
28741	TISTMT	RESIDUA	4.	1.00	0.174	0.15	16.2	1.23	0.52	0.85	3.58	0.	0.	6.19	1.229	-10.	0	360	
28741	TISTMT	RESIDUA	4.	3.41	0.352	0.15	33.7	2.56	1.09	1.19	4.72	0.	-1.76	7.80	1.548	-23.	0	213	
28741	TISTMT	COAL	4.	1.00	0.174	0.15	24.3	1.84	0.78	1.37	2.08	0.	0.	6.08	1.206	-13.	0	30	
28741	TISTMT	COAL	4.	3.41	0.352	0.15	42.8	3.25	1.38	1.68	2.74	0.	-1.76	7.29	1.447	-26.	0	999	
28741	TIHRSG	RESIDUA	4.	1.00	0.131	0.15	23.0	1.70	0.72	0.94	3.77	0.	0.	7.13	1.414	-16.	0	94	
28741	TIHRSG	RESIDUA	4.	1.46	0.170	0.15	28.3	2.10	0.89	0.94	4.07	0.	-0.34	7.66	1.521	-20.	0	94	
28741	TIHRSG	COAL	4.	1.00	0.131	0.15	31.7	2.41	1.02	1.46	2.19	0.	0.	7.08	1.404	-20.	0	999	
28741	TIHRSG	COAL	4.	1.46	0.170	0.15	36.5	2.77	1.18	1.38	2.36	0.	-0.34	7.36	1.459	-23.	0	999	
28741	STIRL	DISTILL	4.	1.00	0.126	0.15	6.7	0.50	0.21	0.57	4.65	0.	0.	5.93	1.176	-4.	0	61	

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SENSITIVITY OF CAPITAL COST																
PERCENT OF ORIGINAL COST 100																
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																
ENERGY CONV	SITE-	POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	CANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	COST	+			ELEC				WORTH	%	PAY
		MW	REQD	RATIO	*10**6	INSNC								15%		BACK
28741 STIRL	RESIDUA	4.	1.00	0.126	0.15	6.7	0.50	0.21	0.57	3.79	0.	0.	5.07	1.006	-2.	4 15
28741 STIRL	RESIDUA	4.	3.63	0.262	0.15	11.0	0.61	0.34	0.59	5.58	0.	-1.92	5.40	1.072	-5.	0 999
28741 STIRL	COAL	4.	1.00	0.126	0.15	13.7	1.02	0.43	1.05	2.20	0.	0.	4.70	0.933	-4.	7 11
28741 STIRL	COAL	4.	3.63	0.262	0.15	18.6	1.38	0.59	1.05	3.24	0.	-1.92	4.33	0.860	-5.	8 10
28741 HEGT85	COAL-AF	4.	1.00	0.047	0.15	21.6	1.64	0.70	1.17	2.40	0.	0.	5.90	1.171	-11.	0 28
28741 HEGT85	COAL-AF	4.	15.71	0.142	0.15	93.6	7.10	3.02	3.40	11.15	0.	-10.74	13.94	2.765	-71.	0 133
28741 HEGT60	COAL-AF	4.	1.00	0.058	0.15	20.9	1.59	0.68	1.16	2.37	0.	0.	5.79	1.149	-11.	1 26
28741 HEGT60	COAL-AF	4.	5.77	0.142	0.15	45.8	3.48	1.48	1.76	5.07	0.	-3.48	8.31	1.648	-31.	0 999
28741 HEGT00	COAL-AF	4.	1.00	0.066	0.15	19.9	1.51	0.64	1.13	2.35	0.	0.	5.63	1.116	-10.	1 22
28741 HEGT00	COAL-AF	4.	2.41	0.114	0.15	25.7	1.95	0.83	1.10	3.12	0.	-1.03	5.97	1.184	-14.	1 25
28741 FCMCCL	COAL	4.	1.00	0.151	0.15	19.2	1.49	0.63	1.18	2.14	0.	0.	5.44	1.080	-9.	3 19
28741 FCMCCL	COAL	4.	4.33	0.337	0.15	30.4	2.36	1.00	1.56	3.24	0.	-2.43	5.74	1.138	-15.	2 19
28741 FCSTOL	COAL	4.	1.00	0.157	0.15	18.6	1.45	0.61	1.21	2.12	0.	0.	5.40	1.070	-9.	3 18
28741 FCSTOL	COAL	4.	7.11	0.410	0.15	38.0	2.96	1.26	2.00	4.05	0.	-4.46	5.80	1.151	-19.	3 18
28741 IGGTST	COAL	4.	1.00	0.127	0.15	18.8	1.47	0.62	1.22	2.20	0.	0.	5.50	1.092	-9.	2 20
28741 IGGTST	COAL	4.	5.03	0.299	0.15	31.2	2.42	1.03	1.34	3.77	0.	-2.94	5.63	1.117	-15.	3 17
28741 GTSOAR	RESIDUA	4.	1.00	0.128	0.15	6.9	0.51	0.22	0.54	3.78	0.	0.	5.06	1.004	-2.	4 14
28741 GTSOAR	RESIDUA	4.	4.57	0.291	0.15	10.7	0.80	0.34	0.54	6.18	0.	-2.60	5.25	1.041	-4.	2 20
28741 GTAC08	RESIDUA	4.	1.00	0.150	0.15	6.4	0.47	0.20	0.53	3.68	0.	0.	4.89	0.970	-1.	9 9
28741 GTAC08	RESIDUA	4.	3.54	0.310	0.15	8.3	0.61	0.26	0.46	5.14	0.	-1.85	4.62	0.917	-1.	11 8
28741 GTAC12	RESIDUA	4.	1.00	0.148	0.15	6.4	0.47	0.20	0.53	3.69	0.	0.	4.90	0.971	-1.	9 10
28741 GTAC12	RESIDUA	4.	4.42	0.333	0.15	9.5	0.71	0.30	0.50	5.69	0.	-2.50	4.70	0.932	-2.	9 9
28741 GTAC16	RESIDUA	4.	1.00	0.146	0.15	6.5	0.48	0.21	0.53	3.70	0.	0.	4.92	0.977	-1.	8 10
28741 GTAC16	RESIDUA	4.	5.02	0.342	0.15	10.8	0.80	0.34	0.54	6.09	0.	-2.93	4.84	0.960	-3.	7 11
28741 GTWC16	RESIDUA	4.	1.00	0.132	0.15	6.8	0.51	0.21	0.54	3.76	0.	0.	5.02	0.996	-1.	5 13
28741 GTWC16	RESIDUA	4.	5.25	0.315	0.15	11.2	0.83	0.35	0.55	6.54	0.	-3.10	5.17	1.025	-4.	3 16
28741 CC1626	RESIDUA	4.	1.00	0.132	0.15	6.9	0.52	0.22	0.61	3.76	0.	0.	5.12	1.016	-2.	3 19
28741 CC1626	RESIDUA	4.	8.88	0.363	0.15	15.7	1.19	0.51	0.81	8.91	0.	-5.75	5.68	1.126	-8.	0 999
28741 CC1622	RESIDUA	4.	1.00	0.138	0.15	6.7	0.51	0.22	0.60	3.74	0.	0.	5.06	1.004	-2.	4 15
28741 CC1622	RESIDUA	4.	8.00	0.372	0.15	14.8	1.12	0.48	0.77	8.12	0.	-5.11	5.38	1.068	-6.	2 20
28741 CC1222	RESIDUA	4.	1.00	0.140	0.15	6.5	0.50	0.21	0.60	3.73	0.	0.	5.04	1.000	-1.	5 14
28741 CC1222	RESIDUA	4.	7.98	0.375	0.15	14.1	1.07	0.45	0.76	8.06	0.	-5.09	5.25	1.042	-6.	3 17
28741 CC0822	RESIDUA	4.	1.00	0.149	0.15	6.7	0.51	0.22	0.61	3.69	0.	0.	5.02	0.996	-1.	5 13
28741 CC0822	RESIDUA	4.	6.41	0.379	0.15	12.2	0.93	0.39	0.69	6.81	0.	-3.95	4.88	0.968	-4.	6 12
28741 STIG15	RESIDUA	4.	1.00	0.048	0.15	6.9	0.51	0.22	0.58	4.12	0.	0.	5.43	1.077	-3.	0 92
28741 STIG15	RESIDUA	4.	197.56	0.171	0.15	206.7	15.31	6.51	12.38	203.39	0.	-143.45	94.14	18.674	-375.	0 58
28741 STIG10	RESIDUA	4.	1.00	0.070	0.15	6.7	0.49	0.21	0.56	4.03	0.	0.	5.30	1.051	-2.	0 999
28741 STIG10	RESIDUA	4.	18.27	0.218	0.15	23.9	1.77	0.75	1.40	19.95	0.	-12.60	11.27	2.236	-29.	0 60
28741 STIG15	RESIDUA	4.	1.00	0.080	0.15	6.6	0.49	0.21	0.56	3.99	0.	0.	5.25	1.041	-2.	0 999
28741 STIG15	RESIDUA	4.	10.72	0.228	0.15	16.2	1.20	0.51	1.00	12.54	0.	-7.09	8.16	1.619	-16.	0 62
28741 DEADV3	RESIDUA	4.	1.00	0.099	0.15	8.8	0.65	0.28	0.62	3.91	0.	0.	5.45	1.081	-4.	0 999
28741 DEADV3	RESIDUA	4.	11.88	0.289	0.15	32.4	2.40	1.02	1.23	15.56	0.	-7.94	9.26	1.838	-27.	0 70
28741 DEHTPM	RESIDUA	4.	1.00	0.148	0.15	8.9	0.66	0.28	0.65	3.70	0.	0.	5.28	1.047	-3.	0 28

ONEVWELL PAGE PRINTING SYSTEM - P1185-02

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL CAPITAL TAXES OANDM FUEL PURCHO REVNUE TOTAL NORML PRESENT ROI GROSS																	
SYSTEM	FUEL REQD	GEN/ REQD	/HEAT COST	RATIO *10**6	INSNC	+	ELEC	WORTH 15%	%	PAY BACK									
28741 DES0A3 DISTILL	4.	1.00	0.084	0.15	7.8	0.58	0.25	0.60	4.87	0.	0.	6.29	1.248	-6.	0	60			
28741 DES0A3 DISTILL	4.	13.79	0.251	0.15	46.0	3.41	1.45	1.60	18.37	0.	-9.33	15.49	3.073	-53.	0	61			
28741 DES0A3 RESIDUA	4.	1.00	0.084	0.15	7.8	0.58	0.25	0.60	3.97	0.	0.	5.40	1.070	-3.	0	999			
28741 DES0A3 RESIDUA	4.	13.79	0.251	0.15	46.0	3.41	1.45	1.60	14.98	0.	-9.33	12.11	2.401	-42.	0	67			
28741 GTS0AD DISTILL	4.	1.00	0.141	0.15	6.2	0.46	0.20	0.52	4.56	0.	0.	5.75	1.140	-3.	0	61			
28741 GTS0AD DISTILL	4.	4.26	0.313	0.15	8.6	0.64	0.27	0.48	7.02	0.	-2.38	6.02	1.194	-5.	0	63			
28741 GTRA08 DISTILL	4.	1.00	0.131	0.15	7.1	0.53	0.22	0.54	4.62	0.	0.	5.91	1.173	-4.	0	62			
28741 GTRA08 DISTILL	4.	7.04	0.341	0.15	14.5	1.07	0.46	0.65	9.49	0.	-4.41	7.26	1.440	-12.	0	63			
28741 GTRA12 DISTILL	4.	1.00	0.134	0.15	7.0	0.52	0.22	0.54	4.60	0.	0.	5.89	1.168	-4.	0	62			
28741 GTRA12 DISTILL	4.	6.88	0.347	0.15	14.5	1.07	0.46	0.65	9.24	0.	-4.29	7.13	1.414	-12.	0	64			
28741 GTRA16 DISTILL	4.	1.00	0.135	0.15	7.2	0.54	0.23	0.55	4.60	0.	0.	5.91	1.172	-4.	0	62			
28741 GTRA16 DISTILL	4.	6.42	0.343	0.15	14.6	1.08	0.46	0.65	8.85	0.	-3.96	7.08	1.405	-12.	0	64			
28741 GTR208 DISTILL	4.	1.00	0.135	0.15	6.8	0.50	0.21	0.54	4.60	0.	0.	5.86	1.162	-4.	0	62			
28741 GTR208 DISTILL	4.	5.32	0.323	0.15	11.5	0.85	0.36	0.56	8.00	0.	-3.16	6.62	1.312	-9.	0	63			
28741 GTR212 DISTILL	4.	1.00	0.134	0.15	6.9	0.51	0.22	0.54	4.60	0.	0.	5.87	1.165	-4.	0	62			
28741 GTR212 DISTILL	4.	5.71	0.329	0.15	12.4	0.92	0.39	0.59	8.32	0.	-3.44	6.70	1.345	-10.	0	63			
28741 GTR216 DISTILL	4.	1.00	0.137	0.15	7.0	0.52	0.22	0.54	4.59	0.	0.	5.87	1.165	-4.	0	62			
28741 GTR216 DISTILL	4.	5.85	0.338	0.15	13.1	0.97	0.41	0.61	8.35	0.	-3.54	6.80	1.348	-10.	0	64			
28741 GTRW08 DISTILL	4.	1.00	0.110	0.15	7.2	0.53	0.23	0.55	4.73	0.	0.	6.04	1.198	-5.	0	61			
28741 GTRW08 DISTILL	4.	8.41	0.300	0.15	15.9	1.18	0.50	0.71	11.52	0.	-5.41	8.50	1.687	-17.	0	60			
28741 GTRW12 DISTILL	4.	1.00	0.118	0.15	7.2	0.53	0.23	0.55	4.69	0.	0.	6.00	1.189	-5.	0	61			
28741 GTRW12 DISTILL	4.	8.56	0.322	0.15	16.0	1.19	0.50	0.71	11.30	0.	-5.51	8.19	1.625	-16.	0	61			
28741 GTRW16 DISTILL	4.	1.00	0.120	0.15	7.4	0.55	0.23	0.55	4.68	0.	0.	6.01	1.192	-5.	0	61			
28741 GTRW16 DISTILL	4.	7.93	0.321	0.15	15.9	1.18	0.50	0.70	10.68	0.	-5.06	8.01	1.589	-15.	0	61			
28741 GTR308 DISTILL	4.	1.00	0.103	0.15	6.9	0.51	0.22	0.54	4.77	0.	0.	6.04	1.198	-5.	0	60			
28741 GTR308 DISTILL	4.	6.42	0.260	0.15	12.8	0.95	0.40	0.62	9.96	0.	-3.96	7.98	1.583	-14.	0	59			
28741 GTR312 DISTILL	4.	1.00	0.122	0.15	7.0	0.52	0.22	0.54	4.67	0.	0.	5.95	1.180	-4.	0	61			
28741 GTR312 DISTILL	4.	6.92	0.315	0.15	13.4	0.99	0.42	0.63	9.73	0.	-4.32	7.45	1.478	-12.	0	61			
28741 GTR316 DISTILL	4.	1.00	0.121	0.15	7.2	0.53	0.23	0.55	4.67	0.	0.	5.97	1.185	-5.	0	61			
28741 GTR316 DISTILL	4.	6.81	0.312	0.15	13.9	1.03	0.44	0.64	9.66	0.	-4.24	7.53	1.493	-13.	0	61			
28741 FCPADS DISTILL	4.	1.00	0.092	0.15	7.1	0.52	0.22	0.83	4.83	0.	0.	6.40	1.269	-6.	0	60			
28741 FCPADS DISTILL	4.	15.07	0.279	0.15	36.5	2.70	1.15	6.39	19.07	0.	-10.27	19.04	3.776	-60.	0	60			
28741 FCMCDS DISTILL	4.	1.00	0.123	0.15	7.2	0.53	0.23	0.80	4.66	0.	0.	6.22	1.234	-5.	0	61			
28741 FCMCDS DISTILL	4.	11.92	0.360	0.15	31.1	2.31	0.98	4.80	13.91	0.	-7.97	14.03	2.784	-42.	0	62			
28951 ONOCON RESIDUA	4.	0.	0.	0.68	1.4	0.10	0.04	0.18	0.68	1.22	0.	2.22	1.000	0.	0	0			
28951 STM141 RESIDUA	4.	0.36	0.146	0.68	2.6	0.19	0.08	0.27	0.84	0.77	0.	2.16	0.975	-0.	8	10			
28951 STM141 COAL-FG	4.	0.36	0.146	0.68	4.4	0.33	0.14	0.43	0.49	0.77	0.	2.17	0.978	-1.	6	12			
28951 STM141 COAL-AF	4.	0.36	0.146	0.68	4.0	0.30	0.13	0.38	0.49	0.77	0.	2.07	0.935	-1.	9	10			
28951 STM088 RESIDUA	4.	0.28	0.111	0.68	2.2	0.17	0.07	0.26	0.80	0.88	0.	2.17	0.981	-0.	9	10			
28951 STM088 COAL-FG	4.	0.28	0.111	0.68	4.0	0.30	0.13	0.42	0.47	0.88	0.	2.19	0.988	-1.	6	13			
28951 STM088 COAL-AF	4.	0.28	0.111	0.68	3.7	0.28	0.12	0.37	0.47	0.88	0.	2.12	0.955	-1.	8	10			
28951 PFDSTM COAL-RF	4.	0.56	0.221	0.68	5.9	0.45	0.19	0.48	0.55	0.54	0.	2.20	0.992	-2.	5	13			
28951 T1STMT RESIDUA	4.	0.73	0.289	0.68	11.0	0.83	0.35	0.49	1.02	0.33	0.	3.03	1.368	-7.	0	999			

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	LANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
28951 TIHRSG	RESIDUA	4.	0.31	0.101	0.68	9.1	0.67	0.29	0.36	0.86	0.84	0.	3.02	1.363	-6.	0	97		
28951 TIHRSG	COAL	4.	0.31	0.101	0.68	11.7	0.89	0.38	0.53	0.50	0.84	0.	3.14	1.417	-8.	0	435		
28951 STIRL	DISTILL	4.	0.85	0.247	0.68	2.7	0.20	0.08	0.25	1.53	0.19	0.	2.24	1.012	-1.	3	17		
28951 STIRL	RESIDUA	4.	0.85	0.247	0.68	2.7	0.20	0.08	0.25	1.24	0.19	0.	1.96	0.885	0.	17	6		
28951 STIRL	COAL	4.	0.85	0.247	0.68	5.0	0.37	0.16	0.42	0.72	0.19	0.	1.85	0.837	-1.	12	8		
28951 HEGT85	COAL-AF	4.	1.00	0.164	0.68	15.5	1.18	0.50	0.79	0.92	0.	0.	3.39	1.530	-11.	0	999		
28951 HEGT85	COAL-AF	4.	2.20	0.203	0.68	23.3	1.77	0.75	0.89	1.56	0.	-0.88	4.09	1.847	-16.	0	999		
28951 HEGT60	COAL-AF	4.	1.00	0.174	0.68	14.0	1.06	0.45	0.68	0.91	0.	0.	3.11	1.403	-9.	0	909		
28951 HEGT60	COAL-AF	4.	1.09	0.180	0.68	14.2	1.08	0.46	0.59	0.96	0.	-0.07	3.02	1.364	-9.	0	999		
28951 HEGT00	COAL-AF	4.	0.51	0.086	0.68	8.6	0.65	0.28	0.41	0.66	0.60	0.	2.60	1.173	-5.	0	999		
28951 FCMCCL	COAL	4.	0.94	0.324	0.68	10.3	0.80	0.34	0.56	0.70	0.08	0.	2.48	1.120	-5.	2	20		
28951 FCSTCL	COAL	4.	1.00	0.359	0.68	11.3	0.88	0.37	0.79	0.71	0.	0.	2.75	1.242	-7.	0	999		
28951 FCSTCL	COAL	4.	1.53	0.409	0.68	12.9	1.00	0.40	0.74	0.88	0.	-0.39	2.66	1.199	-7.	1	23		
28951 IGGTST	COAL	4.	1.00	0.289	0.68	11.4	0.89	0.38	0.73	0.79	0.	0.	2.78	1.255	-7.	0	999		
28951 IGGTST	COAL	4.	1.08	0.297	0.68	11.3	0.88	0.38	0.64	0.82	0.	-0.06	2.65	1.197	-6.	1	25		
28951 GTSCAR	RESIDUA	4.	0.96	0.292	0.68	3.6	0.27	0.11	0.24	1.30	0.05	0.	1.97	0.888	-0.	12	7		
28951 GTAC08	RESIDUA	4.	0.77	0.263	0.68	2.7	0.20	0.09	0.21	1.12	0.28	0.	1.90	0.859	0.	19	5		
28951 GTAC12	RESIDUA	4.	0.95	0.325	0.68	3.0	0.22	0.10	0.23	1.23	0.06	0.	1.83	0.826	0.	19	5		
28951 GTAC16	RESIDUA	4.	1.00	0.338	0.68	3.4	0.26	0.11	0.30	1.26	0.	0.	1.92	0.866	-0.	14	7		
28951 GTAC16	RESIDUA	4.	1.07	0.346	0.68	3.4	0.25	0.11	0.24	1.30	0.	-0.05	1.84	0.832	0.	17	6		
28951 GTWC16	RESIDUA	4.	1.00	0.301	0.68	3.8	0.28	0.12	0.32	1.33	0.	0.	2.05	0.926	-1.	10	9		
28951 GTWC16	RESIDUA	4.	1.14	0.315	0.68	3.8	0.28	0.12	0.25	1.42	0.	-0.10	1.97	0.890	-0.	12	8		
28951 CC1626	RESIDUA	4.	1.00	0.301	0.68	4.2	0.32	0.14	0.43	1.33	0.	0.	2.22	1.002	-1.	5	14		
28951 CC1626	RESIDUA	4.	1.91	0.362	0.68	5.3	0.40	0.17	0.40	1.93	0.	-0.67	2.23	1.007	-2.	5	14		
28951 CC1622	RESIDUA	4.	1.00	0.315	0.68	4.0	0.30	0.13	0.42	1.30	0.	0.	2.15	0.971	-1.	7	11		
28951 CC1622	RESIDUA	4.	1.72	0.370	0.68	4.7	0.36	0.15	0.37	1.76	0.	-0.53	2.11	0.952	-1.	7	11		
28951 CC1222	RESIDUA	4.	1.00	0.318	0.68	3.8	0.29	0.12	0.42	1.30	0.	0.	2.13	0.961	-1.	7	11		
28951 CC1222	RESIDUA	4.	1.72	0.374	0.68	4.5	0.34	0.15	0.37	1.74	0.	-0.52	2.07	0.936	-1.	8	10		
28951 CC0822	RESIDUA	4.	1.00	0.340	0.68	3.9	0.29	0.13	0.41	1.25	0.	0.	2.09	0.941	-1.	9	10		
28951 CC0822	RESIDUA	4.	1.38	0.377	0.68	4.1	0.31	0.13	0.35	1.47	0.	-0.28	1.99	0.897	-1.	10	8		
28951 STIG15	RESIDUA	4.	1.00	0.111	0.68	4.5	0.33	0.14	0.43	1.69	0.	0.	2.59	1.166	-3.	0	94		
28951 STIG15	RESIDUA	4.	42.95	0.171	0.68	51.1	3.78	1.61	3.19	44.22	0.	-30.61	22.18	10.005	-86.	0	59		
28951 STIG10	RESIDUA	4.	1.00	0.160	0.68	4.1	0.31	0.13	0.40	1.60	0.	0.	2.43	1.097	-2.	0	999		
28951 STIG10	RESIDUA	4.	3.97	0.218	0.68	7.8	0.58	0.25	0.52	4.34	0.	-2.17	3.51	1.535	-7.	0	61		
28951 STIG15	RESIDUA	4.	1.00	0.182	0.68	4.0	0.29	0.12	0.39	1.56	0.	0.	2.36	1.066	-2.	0	999		
28951 STIG15	RESIDUA	4.	2.33	0.228	0.68	5.4	0.40	0.17	0.39	2.73	0.	-0.97	2.72	1.225	-3.	0	82		
28951 DEADV3	RESIDUA	4.	1.00	0.241	0.68	5.7	0.42	0.18	0.43	1.44	0.	0.	2.47	1.116	-3.	0	999		
28951 DEADV3	RESIDUA	4.	2.33	0.303	0.68	7.9	0.58	0.25	0.43	2.46	0.	-0.97	2.75	1.242	-5.	0	999		
28951 DEITPM	RESIDUA	4.	1.00	0.356	0.68	5.3	0.39	0.17	0.42	1.22	0.	0.	2.20	0.993	-2.	5	13		
28951 DEHTPM	RESIDUA	4.	1.19	0.378	0.68	5.4	0.40	0.17	0.35	1.33	0.	-0.14	2.12	0.955	-2.	7	11		
28951 DESO3	DISTILL	4.	1.00	0.207	0.68	4.8	0.35	0.15	0.41	1.85	0.	0.	2.77	1.248	-3.	0	70		
28951 DESO3	DISTILL	4.	2.65	0.266	0.68	9.3	0.69	0.29	0.48	3.53	0.	-1.20	3.79	1.709	-9.	0	64		
28951 DESO3	RESIDUA	4.	1.00	0.207	0.68	4.8	0.35	0.15	0.41	1.51	0.	0.	2.43	1.094	-2.	0	999		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER /HEAT COST	CAPITAL COST	CAPITAL TAXES	LANDM	FUEL	PURCHD REVENUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY					
SYSTEM		MW	REQD	RATIO *10**6	INSNC				ELEC			15%		BACK					
28951	OTSOAD DISTILL	4.	0.91	0.299	0.68	2.8	0.21	0.09	0.22	1.50	0.11	0.	2.13	0.959	-0.	9	9		
28951	GTRA08 DISTILL	4.	1.00	0.313	0.68	4.3	0.32	0.13	0.35	1.60	0.	0.	2.40	1.084	-2.	0	999		
28951	GTRA08 DISTILL	4.	1.44	0.351	0.68	4.7	0.35	0.15	0.28	1.95	0.	-0.32	2.40	1.083	-2.	0	999		
28951	GTRA12 DISTILL	4.	1.00	0.318	0.68	4.2	0.31	0.13	0.35	1.59	0.	0.	2.38	1.073	-2.	0	999		
28951	GTRA12 DISTILL	4.	1.42	0.356	0.68	4.6	0.34	0.14	0.28	1.91	0.	-0.31	2.37	1.068	-2.	0	29		
28951	GTRA16 DISTILL	4.	1.00	0.319	0.68	4.4	0.32	0.14	0.35	1.59	0.	0.	2.39	1.080	-2.	0	999		
28951	GTRA16 DISTILL	4.	1.34	0.351	0.68	4.7	0.35	0.15	0.28	1.85	0.	-0.25	2.37	1.069	-2.	0	29		
28951	GTR208 DISTILL	4.	1.00	0.317	0.68	3.8	0.28	0.12	0.32	1.59	0.	0.	2.31	1.041	-1.	1	24		
28951	GTR208 DISTILL	4.	1.12	0.330	0.68	3.8	0.28	0.12	0.25	1.69	0.	-0.09	2.24	1.012	-1.	4	15		
28951	GTR212 DISTILL	4.	1.00	0.315	0.63	4.0	0.29	0.13	0.33	1.60	0.	0.	2.35	1.058	-2.	0	30		
28951	GTR212 DISTILL	4.	1.20	0.335	0.68	4.0	0.30	0.13	0.25	1.75	0.	-0.15	2.29	1.034	-1.	2	20		
28951	GTR216 DISTILL	4.	1.00	0.321	0.68	4.1	0.30	0.13	0.33	1.58	0.	0.	2.35	1.058	-2.	0	29		
28951	GTR216 DISTILL	4.	1.23	0.344	0.68	4.2	0.31	0.13	0.26	1.76	0.	-0.17	2.30	1.036	-2.	2	20		
28951	GTRW08 DISTILL	4.	1.00	0.262	0.68	4.5	0.33	0.14	0.37	1.72	0.	0.	2.56	1.153	-3.	0	102		
28951	GTRW08 DISTILL	4.	1.73	0.308	0.68	5.3	0.40	0.17	0.31	2.38	0.	-0.54	2.71	1.224	-3.	0	78		
28951	GTRW12 DISTILL	4.	1.00	0.278	0.68	4.5	0.33	0.14	0.36	1.68	0.	0.	2.52	1.136	-2.	0	162		
28951	GTRW12 DISTILL	4.	1.78	0.329	0.68	5.4	0.40	0.17	0.31	2.35	0.	-0.57	2.67	1.202	-3.	0	89		
28951	GTRW16 DISTILL	4.	1.00	0.280	0.68	4.6	0.34	0.14	0.37	1.68	0.	0.	2.53	1.140	-2.	0	174		
28951	GTRW16 DISTILL	4.	1.66	0.327	0.68	5.4	0.40	0.17	0.31	2.24	0.	-0.49	2.64	1.190	-3.	0	101		
28951	GTR308 DISTILL	4.	1.00	0.249	0.68	4.0	0.30	0.13	0.34	1.75	0.	0.	2.52	1.135	-2.	0	96		
28951	GTR308 DISTILL	4.	1.32	0.272	0.68	4.2	0.31	0.13	0.27	2.05	0.	-0.23	2.53	1.141	-2.	0	90		
28951	GTR312 DISTILL	4.	1.00	0.283	0.68	4.1	0.31	0.13	0.35	1.67	0.	0.	2.46	1.109	-2.	0	999		
28951	GTR312 DISTILL	4.	1.47	0.319	0.68	4.6	0.34	0.14	0.28	2.07	0.	-0.34	2.49	1.122	-2.	0	753		
28951	GTR316 DISTILL	4.	1.00	0.281	0.68	4.3	0.32	0.14	0.35	1.68	0.	0.	2.48	1.121	-2.	0	443		
28951	GTR316 DISTILL	4.	1.45	0.316	0.68	4.7	0.35	0.15	0.29	2.06	0.	-0.33	2.52	1.135	-3.	0	217		
28951	FCPADS DISTILL	4.	1.00	0.210	0.68	4.0	0.30	0.13	0.65	1.84	0.	0.	2.92	1.316	-3.	0	64		
28951	FCPADS DISTILL	4.	3.28	0.279	0.68	8.6	0.64	0.27	1.47	4.14	0.	-1.66	4.86	2.194	-12.	0	61		
28951	FCMCDS DISTILL	4.	1.00	0.281	0.68	4.2	0.31	0.13	0.62	1.68	0.	0.	2.73	1.233	-3.	0	72		
28951	FCMCDS DISTILL	4.	2.59	0.360	0.68	7.3	0.54	0.23	1.12	3.02	0.	-1.16	3.75	1.691	-8.	0	64		
29111	ONOCGN RESIDUA	14.	0.	0.	0.13	13.9	1.03	0.44	0.71	14.06	4.72	0.	20.95	1.000	0.	0	0		
29111	STM141 RESIDUA	14.	1.00	0.158	0.13	15.1	1.15	0.49	1.05	15.85	0.	0.	18.53	0.884	7.	76	2		
29111	STM141 RESIDUA	14.	1.26	0.186	0.13	15.9	1.21	0.51	0.88	16.31	0.	-0.73	18.18	0.868	8.	61	2		
29111	STM141 COAL-FG	14.	1.00	0.158	0.13	33.4	2.53	1.08	2.21	9.20	0.	0.	15.03	0.717	9.	22	5		
29111	STM141 COAL-FG	14.	1.26	0.186	0.13	29.8	2.26	0.96	1.83	9.47	0.	-0.73	13.80	0.659	14.	29	4		
29111	STM141 COAL-AF	14.	1.00	0.158	0.13	26.3	1.99	0.85	2.05	9.20	0.	0.	14.10	0.673	15.	33	3		
29111	STM141 COAL-AF	14.	1.26	0.186	0.13	21.1	1.60	0.68	1.66	9.47	0.	-0.73	12.69	0.606	22.	57	2		
29111	STM088 RESIDUA	14.	0.84	0.132	0.13	14.1	1.07	0.46	0.83	15.56	0.77	0.	18.68	0.891	7.	179	1		
29111	STM088 COAL-FG	14.	0.84	0.132	0.13	27.5	2.09	0.89	1.72	9.03	0.77	0.	14.50	0.692	13.	29	4		
29111	STM088 COAL-AF	14.	0.84	0.132	0.13	19.9	1.51	0.64	1.60	9.03	0.77	0.	13.55	0.647	20.	60	2		
29111	PFBSTM COAL-PF	14.	1.00	0.153	0.18	35.9	2.72	1.16	2.64	9.25	0.	0.	15.77	0.753	5.	19	5		
29111	PFBSTM COAL-PF	14.	2.24	0.261	0.13	35.9	2.73	1.16	2.89	10.61	0.	-3.52	13.86	0.662	11.	22	5		
29111	TISTMT RESIDUA	14.	1.00	0.155	0.13	44.4	3.37	1.43	1.80	15.90	0.	0.	22.51	1.074	-20.	0	30		
29111	TISTMT RESIDUA	14.	3.07	0.312	0.13	89.1	6.76	2.87	2.77	19.73	0.	-5.87	26.25	1.253	-53.	0	999		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	CANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	+			ELEC				WORTH	%	PAY				
		MW	REQD	RATIO	*10**6	INSNC							15%		BACK				
29111	TISTMT COAL	14.	3.07	0.312	0.13	112.8	8.56	3.64	3.99	11.45	0.	-5.87	21.77	1.039	-50.	4	15		
29111	TIHRSG RESIDUA	14.	1.00	0.088	0.13	58.8	4.35	1.85	2.07	17.17	0.	0.	25.44	1.214	-35.	0	113		
29111	TIHRSG RESIDUA	14.	1.82	0.132	0.13	85.2	6.31	2.68	2.52	19.72	0.	-2.33	28.91	1.380	-58.	0	87		
29111	TIHRSG COAL	14.	1.00	0.088	0.13	82.4	6.25	2.66	3.39	9.97	0.	0.	22.26	1.052	-37.	3	17		
29111	TIHRSG COAL	14.	1.82	0.132	0.13	109.0	8.27	3.52	3.77	11.45	0.	-2.33	24.68	1.178	-58.	1	24		
29111	STIRL DISTILL	14.	1.00	0.106	0.13	22.1	1.63	0.70	1.20	20.62	0.	0.	24.15	1.152	-14.	0	59		
29111	STIRL DISTILL	14.	3.50	0.228	0.13	39.3	2.91	1.24	1.49	29.06	0.	-7.07	27.62	1.318	-33.	0	61		
29111	STIRL RESIDUA	14.	1.00	0.106	0.13	22.1	1.64	0.70	1.20	16.82	0.	0.	20.35	0.971	-2.	10	9		
29111	STIRL RESIDUA	14.	3.50	0.228	0.13	39.3	2.91	1.24	1.49	23.71	0.	-7.07	22.27	1.063	-16.	0	999		
29111	STIRL COAL	14.	1.00	0.106	0.13	41.3	3.06	1.30	2.39	9.77	0.	0.	16.51	0.768	1.	15	6		
29111	STIRL COAL	14.	3.50	0.228	0.13	69.4	5.14	2.19	2.99	13.77	0.	-7.07	17.00	0.812	-14.	10	9		
29111	HEGT60 COAL-AF	14.	1.00	0.005	0.13	52.3	3.97	1.69	2.61	10.87	0.	0.	19.14	0.913	-13.	8	10		
29111	HEGT60 COAL-AF	14.	11.63	0.015	0.13	182.0	13.81	5.87	7.44	39.68	0.	-30.10	36.70	1.752	-130.	0	220		
29111	HEGT00 COAL-AF	14.	1.00	0.045	0.13	49.6	3.77	1.60	2.55	10.43	0.	0.	18.34	0.875	-9.	10	9		
29111	HEGT00 COAL-AF	14.	2.96	0.090	0.13	72.0	5.46	2.32	3.10	14.87	0.	-5.56	20.20	0.964	-26.	6	12		
29111	FCMCCL COAL	14.	1.00	0.134	0.13	48.4	3.77	1.60	2.72	9.46	0.	0.	17.55	0.837	-7.	11	8		
29111	FCMCCL COAL	14.	5.07	0.335	0.13	83.8	6.51	2.77	4.75	14.74	0.	-11.53	17.25	0.823	-23.	0	10		
29111	FCSTCL COAL	14.	1.00	0.139	0.13	47.4	3.69	1.57	2.72	9.40	0.	0.	17.37	0.829	-6.	12	8		
29111	FCSTCL COAL	14.	7.07	0.389	0.13	97.4	7.57	3.22	5.57	16.93	0.	-17.20	16.09	0.768	-27.	9	9		
29111	IGGTST COAL	14.	1.00	0.108	0.13	46.5	3.61	1.54	2.46	9.74	0.	0.	17.35	0.828	-5.	12	8		
29111	IGGTST COAL	14.	4.82	0.265	0.13	74.9	5.82	2.47	2.71	15.77	0.	-10.81	15.96	0.762	-15.	10	8		
29111	GTSCAR RESIDUA	14.	1.00	0.102	0.13	21.9	1.62	0.69	1.13	16.90	0.	0.	20.34	0.971	-2.	10	9		
29111	GTSCAR RESIDUA	14.	5.84	0.267	0.13	34.3	2.54	1.08	1.32	30.68	0.	-13.72	21.90	1.045	-13.	0	28		
29111	GTAC08 RESIDUA	14.	1.00	0.135	0.13	17.7	1.31	0.56	1.03	16.28	0.	0.	19.17	0.915	4.	30	4		
29111	GTAC08 RESIDUA	14.	4.11	0.311	0.13	23.5	1.74	0.74	1.01	23.16	0.	-8.80	17.84	0.852	5.	24	4		
29111	GTAC12 RESIDUA	14.	1.00	0.132	0.13	20.9	1.54	0.66	1.10	16.33	0.	0.	19.63	0.937	1.	17	6		
29111	GTAC12 RESIDUA	14.	5.17	0.332	0.13	28.2	2.09	0.89	1.14	25.81	0.	-11.81	18.11	0.865	2.	17	6		
29111	GTAC16 RESIDUA	14.	1.00	0.127	0.13	21.3	1.58	0.67	1.11	16.43	0.	0.	19.79	0.945	0.	15	7		
29111	GTAC16 RESIDUA	14.	6.01	0.336	0.13	32.8	2.43	1.03	1.27	28.31	0.	-14.18	18.87	0.900	-2.	12	7		
29111	GTWC16 RESIDUA	14.	1.00	0.119	0.13	21.5	1.59	0.68	1.12	16.59	0.	0.	19.98	0.954	-1.	13	7		
29111	GTWC16 RESIDUA	14.	6.10	0.316	0.13	30.8	2.28	0.97	1.23	29.47	0.	-14.44	19.51	0.931	-3.	11	8		
29111	CC1626 RESIDUA	14.	1.00	0.115	0.13	21.6	1.64	0.70	1.21	16.64	0.	0.	20.19	0.964	-2.	11	8		
29111	CC1626 RESIDUA	14.	8.97	0.344	0.13	41.8	3.17	1.35	1.69	37.24	0.	-22.57	20.88	0.996	-13.	5	13		
29111	CC1622 RESIDUA	14.	1.00	0.121	0.13	21.4	1.62	0.69	1.20	16.53	0.	0.	20.05	0.957	-1.	12	7		
29111	CC1622 RESIDUA	14.	8.05	0.351	0.13	39.9	3.03	1.29	1.60	33.98	0.	-19.97	19.92	0.951	-9.	8	10		
29111	CC1222 RESIDUA	14.	1.00	0.122	0.13	21.0	1.59	0.68	1.20	16.51	0.	0.	19.98	0.954	-1.	13	7		
29111	CC1222 RESIDUA	14.	8.00	0.354	0.13	37.7	2.86	1.22	1.57	33.67	0.	-19.82	19.50	0.931	-7.	9	9		
29111	CC0822 RESIDUA	14.	1.00	0.131	0.13	21.1	1.60	0.68	1.20	16.34	0.	0.	19.82	0.946	-0.	14	7		
29111	CC0822 RESIDUA	14.	6.30	0.354	0.13	31.0	2.35	1.00	1.37	28.46	0.	-15.01	18.16	0.867	0.	15	7		
29111	DEHTPM RESIDUA	14.	1.00	0.111	0.13	27.6	2.04	0.87	1.37	16.73	0.	0.	21.02	1.003	-7.	4	14		
29111	DEHTPM RESIDUA	14.	5.14	0.278	0.13	65.5	4.85	2.06	2.26	27.80	0.	-11.73	25.25	1.205	-38.	0	999		
29111	GTSCAD DISTILL	14.	1.00	0.124	0.13	20.2	1.50	0.64	1.09	20.21	0.	0.	23.44	1.119	-11.	0	59		
29111	GTSCAD DISTILL	14.	5.05	0.309	0.13	25.0	1.85	0.79	1.06	32.28	0.	-11.47	24.50	1.169	-16.	0	59		

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	QANDM	FUEL	PURCHD	REVNU	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC														
29111	GTRA08	DISTILL	14.	9.83	0.311	0.13	54.2	4.02	1.71	1.87	51.40	0.	-25.02	33.98	1.622	-60.	0	59	
29111	GTRA12	DISTILL	14.	1.00	0.108	0.13	22.4	1.66	0.70	1.14	20.59	0.	0.	24.08	1.149	-14.	0	59	
29111	GTRA12	DISTILL	14.	9.26	0.322	0.13	48.7	3.60	1.53	1.72	48.26	0.	-23.39	31.73	1.514	-50.	0	60	
29111	GTRA16	DISTILL	14.	1.00	0.110	0.13	22.8	1.69	0.72	1.15	20.53	0.	0.	24.09	1.150	-14.	0	59	
29111	GTRA16	DISTILL	14.	8.41	0.322	0.13	48.0	3.55	1.51	1.69	44.96	0.	-20.98	30.73	1.467	-47.	0	60	
29111	GTR208	DISTILL	14.	1.00	0.112	0.13	21.7	1.60	0.68	1.12	20.49	0.	0.	23.90	1.141	-13.	0	59	
29111	GTR208	DISTILL	14.	6.69	0.306	0.13	36.9	2.73	1.16	1.39	39.04	0.	-16.13	28.19	1.345	-33.	0	59	
29111	GTR212	DISTILL	14.	1.00	0.112	0.13	22.0	1.63	0.69	1.13	20.49	0.	0.	23.94	1.143	-13.	0	59	
29111	GTR212	DISTILL	14.	7.19	0.313	0.13	39.7	2.94	1.25	1.47	40.64	0.	-17.53	28.77	1.373	-37.	0	60	
29111	GTR216	DISTILL	14.	1.00	0.114	0.13	22.3	1.65	0.70	1.14	20.44	0.	0.	23.93	1.142	-13.	0	59	
29111	GTR216	DISTILL	14.	7.41	0.321	0.13	42.6	3.16	1.34	1.54	41.01	0.	-18.14	28.90	1.379	-38.	0	60	
29111	GTRW08	DISTILL	14.	1.00	0.087	0.13	22.4	1.66	0.70	1.14	21.05	0.	0.	24.55	1.172	-15.	0	58	
29111	GTRW08	DISTILL	14.	11.49	0.275	0.13	57.2	4.24	1.80	1.98	61.09	0.	-29.72	39.40	1.881	-78.	0	58	
29111	GTRW12	DISTILL	14.	1.00	0.097	0.13	22.4	1.66	0.70	1.14	20.84	0.	0.	24.33	1.161	-15.	0	59	
29111	GTRW12	DISTILL	14.	11.30	0.303	0.13	49.9	3.69	1.57	1.79	57.95	0.	-29.19	35.82	1.709	-63.	0	58	
29111	GTRW16	DISTILL	14.	1.00	0.100	0.13	22.7	1.68	0.72	1.15	20.77	0.	0.	24.31	1.160	-15.	0	59	
29111	GTRW16	DISTILL	14.	10.16	0.306	0.13	48.4	3.58	1.52	1.73	53.12	0.	-25.95	34.00	1.623	-57.	0	59	
29111	GTR308	DISTILL	14.	1.00	0.079	0.13	21.8	1.61	0.69	1.13	21.24	0.	0.	24.67	1.177	-15.	0	58	
29111	GTR308	DISTILL	14.	8.54	0.233	0.13	39.0	2.89	1.23	1.49	51.39	0.	-21.35	35.65	1.701	-58.	0	57	
29111	GTR312	DISTILL	14.	1.00	0.105	0.13	21.8	1.62	0.69	1.13	20.65	0.	0.	24.08	1.149	-14.	0	59	
29111	GTR312	DISTILL	14.	8.45	0.307	0.13	40.3	2.98	1.27	1.50	46.09	0.	-21.09	30.75	1.468	-43.	0	59	
29111	GTR316	DISTILL	14.	1.00	0.104	0.13	22.2	1.65	0.70	1.14	20.66	0.	0.	24.15	1.152	-14.	0	59	
29111	GTR316	DISTILL	14.	8.30	0.304	0.13	41.4	3.06	1.30	1.53	45.68	0.	-20.67	30.90	1.475	-44.	0	59	
29111	FCPADS	DISTILL	14.	1.00	0.082	0.13	24.7	1.83	0.78	2.45	21.16	0.	0.	26.22	1.251	-22.	0	59	
29111	FCPADS	DISTILL	14.	17.55	0.279	0.13	141.3	10.46	4.45	27.73	96.17	0.	-46.87	81.95	3.911	-254.	0	60	
29111	FCMCDS	DISTILL	14.	1.00	0.110	0.13	25.2	1.87	0.79	2.35	20.52	0.	0.	25.54	1.219	-20.	0	60	
29111	FCMCDS	DISTILL	14.	13.88	0.360	0.13	121.2	8.98	3.82	20.74	62.87	0.	-36.49	59.92	2.860	-175.	0	61	
29112	ONOCGN	RESIDUA	52.	0.	0.	0.13	41.1	3.04	1.29	1.57	49.98	17.53	0.	73.42	1.000	0.	0	0	
29112	STM141	RESIDUA	52.	1.00	0.163	0.13	44.9	3.41	1.45	2.08	56.63	0.	0.	63.57	0.866	29.	100	1	
29112	STM141	RESIDUA	52.	1.16	0.181	0.13	44.0	3.34	1.42	1.80	57.70	0.	-1.70	62.57	0.852	32.	131	1	
29112	STM141	COAL-FG	52.	1.00	0.163	0.13	90.4	6.86	2.92	4.99	32.88	0.	0.	47.65	0.649	56.	32	3	
29112	STM141	COAL-FG	52.	1.16	0.181	0.13	93.8	7.11	3.02	4.69	33.50	0.	-1.70	46.64	0.635	58.	31	4	
29112	STM141	COAL-AF	52.	1.00	0.163	0.13	72.0	5.47	2.32	4.87	32.88	0.	0.	45.55	0.620	72.	48	2	
29112	STM141	COAL-AF	52.	1.16	0.181	0.13	69.6	5.28	2.25	4.50	33.50	0.	-1.70	43.84	0.597	78.	54	2	
29112	STM088	RESIDUA	52.	0.78	0.124	0.13	39.8	3.02	1.29	1.69	55.05	4.15	0.	65.20	0.808	26.	999	0	
29112	STM088	COAL-FG	52.	0.75	0.124	0.13	87.7	6.66	2.83	4.36	31.97	4.15	0.	49.97	0.681	50.	31	4	
29112	STM088	COAL-AF	52.	0.76	0.124	0.13	61.3	4.65	1.98	4.20	31.97	4.15	0.	46.94	0.639	73.	64	2	
29112	PFBSTM	COAL-PF	52.	1.00	0.158	0.13	91.5	6.95	2.95	6.57	33.08	0.	0.	49.55	0.675	50.	30	4	
29112	PFBSTM	COAL-PF	52.	2.10	0.258	0.13	84.8	6.43	2.73	7.86	37.56	0.	-11.60	42.99	0.585	73.	39	3	
29112	TISTMT	RESIDUA	52.	1.00	0.160	0.13	126.0	9.56	4.06	4.21	56.83	0.	0.	74.66	1.017	-45.	4	16	
29112	TISTMT	RESIDUA	52.	2.89	0.310	0.13	234.2	17.77	7.55	6.71	69.79	0.	-19.90	81.92	1.116	-120.	0	26	
29112	TISTMT	COAL	52.	1.00	0.160	0.13	177.6	13.48	5.73	7.18	33.00	0.	0.	59.39	0.809	-22.	12	8	
29112	TISTMT	COAL	52.	2.89	0.310	0.13	294.5	22.35	9.50	9.91	40.52	0.	-19.90	62.38	0.850	-88.	3	10	

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
29112 TIHRSG	RESIDUA	52.	1.74	0.132	0.13	226.2	16.76	7.12	6.28	70.10	0.	-7.83	92.42	1.259	-146.	0	102		
29112 TIHRSG	COAL	52.	1.00	0.091	0.13	213.4	16.20	6.89	8.09	35.72	0.	0.	66.89	0.911	-63.	8	10		
29112 TIHRSG	COAL	52.	1.74	0.132	0.13	286.8	21.76	9.25	9.61	40.70	0.	-7.83	73.49	1.001	-119.	5	13		
29112 STIRL	DISTILL	52.	1.00	0.110	0.13	76.7	5.68	2.42	2.92	73.82	0.	0.	84.85	1.156	-53.	0	60		
29112 STIRL	DISTILL	52.	3.35	0.228	0.13	133.8	9.91	4.21	4.15	103.30	0.	-24.70	96.88	1.319	-117.	0	61		
29112 STIRL	RESIDUA	52.	1.00	0.110	0.13	76.8	5.69	2.42	2.92	60.22	0.	0.	71.25	0.970	-10.	9	9		
29112 STIRL	RESIDUA	52.	3.35	0.228	0.13	134.0	9.93	4.22	4.15	84.27	0.	-24.70	77.88	1.061	-57.	0	29		
29112 STIRL	COAL	52.	1.00	0.110	0.13	130.0	9.63	4.09	6.06	34.97	0.	0.	54.75	0.746	17.	18	6		
29112 STIRL	COAL	52.	3.35	0.228	0.13	239.3	17.72	7.53	8.92	48.93	0.	-24.70	58.42	0.796	-46.	10	9		
29112 HEGT60	COAL-AF	52.	1.00	0.005	0.13	147.7	11.21	4.77	6.64	39.09	0.	0.	61.70	0.840	-15.	12	8		
29112 HEGT60	COAL-AF	52.	11.13	0.015	0.13	545.7	41.41	17.61	22.61	141.06	0.	-106.55	116.13	1.582	-377.	0	999		
29112 HEGT00	COAL-AF	52.	1.00	0.047	0.13	130.7	9.92	4.22	6.25	37.43	0.	0.	57.82	0.787	5.	15	6		
29112 HEGT00	COAL-AF	52.	2.83	0.090	0.13	176.8	13.42	5.71	8.12	52.87	0.	-19.30	60.82	0.828	-27.	11	8		
29112 FCMCCL	COAL	52.	1.00	0.139	0.13	131.1	10.19	4.33	6.95	33.84	0.	0.	55.31	0.753	11.	16	6		
29112 FCMCCL	COAL	52.	4.85	0.335	0.13	212.3	16.50	7.02	13.65	52.40	0.	-40.52	49.05	0.668	-10.	14	7		
29112 FCSTCL	COAL	52.	1.00	0.144	0.13	128.9	10.02	4.26	6.79	33.63	0.	0.	54.70	0.745	14.	17	6		
29112 FCSTCL	COAL	52.	6.70	0.387	0.13	245.9	19.11	8.13	15.82	59.91	0.	-60.01	42.97	0.585	-7.	14	7		
29112 IGGTST	COAL	52.	1.00	0.111	0.13	121.7	9.47	4.02	5.43	34.90	0.	0.	53.82	0.733	21.	19	5		
29112 IGGTST	COAL	52.	4.55	0.263	0.13	206.4	16.04	6.82	6.38	55.80	0.	-37.38	47.66	0.649	-1.	14	7		
29112 GTSOAR	RESIDUA	52.	1.00	0.105	0.13	58.3	4.32	1.84	2.36	60.54	0.	0.	69.03	0.940	6.	20	5		
29112 GTSOAR	RESIDUA	52.	5.59	0.267	0.13	110.6	8.19	3.48	3.50	109.06	0.	-48.32	75.91	1.034	-40.	1	23		
29112 GTAC08	RESIDUA	52.	1.00	0.140	0.13	55.1	4.08	1.74	2.28	58.21	0.	0.	66.30	0.903	16.	32	3		
29112 GTAC08	RESIDUA	52.	3.93	0.311	0.13	76.3	5.65	2.40	2.57	82.34	0.	-30.84	62.12	0.846	19.	23	5		
29112 GTAC12	RESIDUA	52.	1.00	0.136	0.13	56.6	4.19	1.76	2.31	58.42	0.	0.	66.70	0.908	14.	29	4		
29112 GTAC12	RESIDUA	52.	4.95	0.332	0.13	92.2	6.83	2.90	2.99	91.74	0.	-41.54	62.92	0.857	9.	17	6		
29112 GTAC16	RESIDUA	52.	1.00	0.131	0.13	58.1	4.30	1.83	2.34	58.79	0.	0.	67.26	0.916	11.	25	4		
29112 GTAC16	RESIDUA	52.	5.75	0.336	0.13	111.3	8.25	3.51	3.49	100.64	0.	-49.96	65.93	0.898	-9.	12	8		
29112 GTWC16	RESIDUA	52.	1.00	0.122	0.13	57.1	4.23	1.80	2.32	59.36	0.	0.	67.71	0.922	10.	25	4		
29112 GTWC16	RESIDUA	52.	5.84	0.316	0.13	97.2	7.20	3.06	3.15	104.77	0.	-50.88	67.29	0.916	-7.	12	8		
29112 CC1626	RESIDUA	52.	1.00	0.119	0.13	57.3	4.35	1.85	2.44	59.59	0.	0.	68.23	0.929	8.	22	5		
29112 CC1626	RESIDUA	52.	8.51	0.342	0.13	128.9	9.78	4.16	4.23	131.74	0.	-78.98	70.93	0.966	-35.	7	11		
29112 CC1622	RESIDUA	52.	1.00	0.125	0.13	57.9	4.39	1.87	2.44	59.18	0.	0.	67.89	0.925	9.	22	5		
29112 CC1622	RESIDUA	52.	7.63	0.350	0.13	132.0	10.02	4.26	4.18	120.25	0.	-69.80	68.90	0.938	-30.	9	10		
29112 CC1222	RESIDUA	52.	1.00	0.126	0.13	56.8	4.31	1.83	2.43	59.10	0.	0.	67.68	0.922	10.	24	4		
29112 CC1222	RESIDUA	52.	7.58	0.352	0.13	123.2	9.35	3.98	4.05	119.14	0.	-69.24	67.27	0.916	-21.	10	9		
29112 CC0822	RESIDUA	52.	1.00	0.136	0.13	56.1	4.25	1.81	2.42	58.48	0.	0.	66.95	0.912	13.	27	4		
29112 CC0822	RESIDUA	52.	8.97	0.352	0.13	94.0	7.13	3.03	3.26	100.68	0.	-52.25	61.86	0.843	10.	18	6		
29112 DEHTPM	RESIDUA	52.	1.00	0.114	0.13	86.0	6.37	2.71	3.21	59.90	0.	0.	72.20	0.983	-17.	7	11		
29112 DEHTPM	RESIDUA	52.	4.92	0.278	0.13	225.6	16.71	7.10	6.63	98.80	0.	-41.23	88.01	1.199	-132.	0	999		
29112 GTSOAD	DISTILL	52.	1.00	0.128	0.13	54.4	4.03	1.71	2.26	72.33	0.	0.	80.33	1.094	-28.	0	58		
29112 GTSOAD	DISTILL	52.	4.83	0.309	0.13	84.3	6.25	2.66	2.80	114.74	0.	-40.33	86.10	1.173	-60.	0	60		
29112 GTRA08	DISTILL	52.	1.00	0.106	0.13	59.8	4.43	1.88	2.39	74.17	0.	0.	82.86	1.129	-38.	0	56		
29112 GTRA08	DISTILL	52.	9.41	0.311	0.13	171.6	12.71	5.40	5.11	182.71	0.	-88.49	117.44	1.600	-199.	0	59		

DATE 06/07/79

ISE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	QANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESENT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC													
29112	GTRA12	DISTILL	52.	8.86	0.322	0.13	165.6	12.27	5.22	4.94	171.54	0.	-82.69	111.27	1.515	-177.	0	60	
29112	GTRA16	DISTILL	52.	1.00	0.114	0.13	61.4	4.55	1.93	2.43	73.51	0.	0.	82.42	1.123	-38.	0	58	
29112	GTRA16	DISTILL	52.	8.05	0.322	0.13	163.5	12.11	5.15	4.87	159.80	0.	-74.13	107.80	1.468	-165.	0	60	
29112	GTR208	DISTILL	52.	1.00	0.115	0.13	58.2	4.31	1.83	2.35	73.36	0.	0.	81.85	1.115	-34.	0	58	
29112	GTR208	DISTILL	52.	6.41	0.306	0.13	119.3	8.84	3.76	3.72	138.76	0.	-56.88	98.20	1.338	-114.	0	59	
29112	GTR212	DISTILL	52.	1.00	0.115	0.13	59.0	4.37	1.86	2.37	73.36	0.	0.	81.96	1.116	-35.	0	58	
29112	GTR212	DISTILL	52.	6.88	0.313	0.13	128.7	9.53	4.05	3.97	144.47	0.	-61.84	100.18	1.364	-125.	0	60	
29112	GTR216	DISTILL	52.	1.00	0.117	0.13	60.2	4.46	1.90	2.40	73.19	0.	0.	81.93	1.116	-36.	0	58	
29112	GTR216	DISTILL	52.	7.09	0.321	0.13	139.0	10.29	4.38	4.23	145.77	0.	-64.04	100.62	1.370	-131.	0	60	
29112	GTRW08	DISTILL	52.	1.00	0.090	0.13	62.5	4.63	1.97	2.46	75.44	0.	0.	84.50	1.151	-45.	0	58	
29112	GTRW08	DISTILL	52.	11.00	0.275	0.13	159.9	11.84	5.03	4.87	217.17	0.	-105.18	133.73	1.821	-245.	0	58	
29112	GTRW12	DISTILL	52.	1.00	0.100	0.13	62.5	4.63	1.97	2.45	74.64	0.	0.	83.69	1.140	-42.	0	58	
29112	GTRW12	DISTILL	52.	10.82	0.303	0.13	158.1	11.71	4.98	4.81	206.01	0.	-103.30	124.20	1.692	-214.	0	58	
29112	GTRW16	DISTILL	52.	1.00	0.103	0.13	59.8	4.43	1.88	2.39	74.38	0.	0.	83.08	1.132	-39.	0	58	
29112	GTRW16	DISTILL	52.	9.73	0.306	0.13	153.3	11.36	4.83	4.66	188.81	0.	-91.79	117.86	1.605	-192.	0	58	
29112	GTR308	DISTILL	52.	1.00	0.082	0.13	58.0	4.30	1.83	2.36	76.12	0.	0.	84.60	1.152	-43.	0	57	
29112	GTR308	DISTILL	52.	8.17	0.233	0.13	130.0	9.63	4.09	4.07	182.67	0.	-75.43	125.03	1.703	-203.	0	57	
29112	GTR312	DISTILL	52.	1.00	0.108	0.13	57.8	4.23	1.82	2.34	73.95	0.	0.	82.39	1.122	-36.	0	58	
29112	GTR312	DISTILL	52.	8.08	0.307	0.13	129.7	9.60	4.08	4.03	163.84	0.	-74.53	107.02	1.458	-147.	0	59	
29112	GTR316	DISTILL	52.	1.00	0.108	0.13	58.7	4.35	1.85	2.36	73.99	0.	0.	82.55	1.124	-37.	0	58	
29112	GTR316	DISTILL	52.	7.94	0.304	0.13	133.3	9.87	4.20	4.12	162.38	0.	-73.03	107.53	1.465	-150.	0	59	
29112	FCPADS	DISTILL	52.	1.00	0.085	0.13	77.8	5.76	2.45	7.71	75.85	0.	0.	91.78	1.250	-75.	0	59	
29112	FCPADS	DISTILL	52.	16.79	0.279	0.13	459.1	34.01	14.46	96.88	306.31	0.	-166.16	285.50	3.888	-873.	0	60	
29112	FCMCDS	DISTILL	52.	1.00	0.114	0.13	79.6	5.90	2.51	7.36	73.47	0.	0.	89.24	1.215	-68.	0	60	
29112	FCMCDS	DISTILL	52.	13.28	0.360	0.13	397.3	29.43	12.51	72.32	223.49	0.	-129.24	208.51	2.840	-599.	0	61	
29113	ONOCGN	RESIDUA	126.	0.	0.	0.14	90.5	6.71	2.85	2.97	114.05	42.49	0.	169.07	1.000	0.	0	0	
29113	STM141	RESIDUA	126.	1.00	0.170	0.14	100.3	7.61	3.24	3.75	130.17	0.	0.	144.77	0.856	70.	99	1	
29113	STM141	RESIDUA	126.	1.16	0.189	0.14	96.1	7.29	3.10	3.30	132.72	0.	-4.03	142.38	0.842	80.	160	1	
29113	STM141	COAL-FG	126.	1.00	0.170	0.14	202.1	15.33	6.52	9.85	75.58	0.	0.	107.28	0.635	139.	33	3	
29113	STM141	COAL-FG	126.	1.16	0.189	0.14	206.5	15.67	6.66	9.50	77.06	0.	-4.03	104.86	0.620	144.	33	3	
29113	STM141	COAL-AF	126.	1.00	0.170	0.14	150.5	11.42	4.86	9.51	75.58	0.	0.	101.37	0.600	182.	57	2	
29113	STM141	COAL-AF	126.	1.16	0.189	0.14	145.2	11.02	4.69	9.10	77.06	0.	-4.03	97.84	0.579	195.	64	2	
29113	STM088	RESIDUA	126.	0.78	0.133	0.14	84.5	6.41	2.73	3.00	126.61	9.39	0.	148.14	0.876	67.	999	0	
29113	STM088	COAL-FG	126.	0.78	0.133	0.14	182.0	13.81	5.87	8.49	73.51	9.39	0.	111.07	0.657	136.	37	3	
29113	STM088	COAL-AF	126.	0.78	0.133	0.14	137.8	10.46	4.45	8.70	73.51	9.39	0.	106.50	0.630	172.	65	2	
29113	PFBSTM	COAL-PF	126.	1.00	0.165	0.14	174.4	13.24	5.63	12.85	76.03	0.	0.	107.75	0.637	150.	41	3	
29113	PFBSTM	COAL-PF	126.	2.05	0.263	0.14	191.1	14.50	6.16	17.06	86.32	0.	-26.74	97.30	0.575	174.	40	3	
29113	TISTMT	RESIDUA	126.	1.00	0.167	0.14	251.8	19.11	8.13	7.71	130.64	0.	0.	165.59	0.979	-68.	6	11	
29113	TISTMT	RESIDUA	126.	2.80	0.314	0.14	566.8	43.01	18.29	15.39	160.54	0.	-45.93	191.29	1.131	-299.	0	28	
29113	TISTMT	COAL	126.	1.00	0.167	0.14	352.7	26.77	11.38	13.55	75.86	0.	0.	127.55	0.754	3.	15	7	
29113	TISTMT	COAL	126.	2.80	0.314	0.14	715.0	54.26	23.07	22.61	93.21	0.	-45.93	147.21	0.871	-232.	7	10	
29113	TIHRSG	RESIDUA	126.	1.00	0.095	0.14	368.9	27.32	11.62	10.45	142.00	0.	0.	191.39	1.132	-200.	0	999	
29113	TIHRSG	RESIDUA	126.	1.64	0.132	0.14	545.4	40.40	17.17	14.47	159.97	0.	-16.39	215.62	1.275	-359.	0	102	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	POWER FESRPOWER CAPITAL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS			
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	/HEAT COST	/HEAT COST	/HEAT COST	/HEAT COST	/HEAT COST	ELEC				WORTH	%	PAY			
		MW	REQD	RATIO *10**6	INSNC									15%		BACK			
29113 TIHRSG COAL	126.	1.64	0.132	0.14	693.2	52.60	22.37	21.96	92.88	0.	-16.39	173.43	1.026	-304.	4	14			
29113 STIRL DISTILL	126.	1.00	0.115	0.14	167.0	12.37	5.26	5.52	170.24	0.	0.	193.38	1.144	-112.	0	59			
29113 STIRL DISTILL	126.	3.15	0.228	0.14	284.5	21.07	8.96	8.19	235.75	0.	-54.87	219.09	1.296	-248.	0	61			
29113 STIRL RESIDUA	126.	1.00	0.115	0.14	167.2	12.38	5.26	5.52	138.88	0.	0.	162.04	0.958	-14.	11	8			
29113 STIRL RESIDUA	126.	3.15	0.228	0.14	284.9	21.10	8.97	8.20	192.32	0.	-54.87	175.72	1.039	-112.	1	22			
29113 STIRL COAL	126.	1.00	0.115	0.14	295.2	21.87	9.30	12.33	80.64	0.	0.	124.13	0.734	44.	18	6			
29113 STIRL COAL	126.	3.15	0.228	0.14	524.2	38.83	16.51	18.69	111.67	0.	-54.87	130.82	0.774	-84.	11	8			
29113 HEGT60 COAL-AF	126.	1.00	0.005	0.14	286.7	21.76	9.25	12.73	90.62	0.	0.	134.35	0.795	13.	16	6			
29113 HEGT60 COAL-AF	126.	10.48	0.015	0.14	1279.6	97.10	41.28	51.49	321.90	0.	-241.67	270.11	1.598	-890.	0	999			
29113 HEGT00 COAL-AF	126.	1.00	0.049	0.14	256.3	19.45	8.27	12.09	86.61	0.	0.	126.42	0.748	52.	20	5			
29113 HEGT00 COAL-AF	126.	2.67	0.090	0.14	387.4	29.40	12.50	17.45	120.65	0.	-42.55	137.45	0.813	-45.	12	8			
29113 FCMCCL COAL	126.	1.00	0.145	0.14	272.8	21.21	9.02	14.12	77.90	0.	0.	122.25	0.723	54.	19	5			
29113 FCMCCL COAL	126.	4.57	0.335	0.14	367.0	28.54	12.13	27.43	119.58	0.	-90.99	96.68	0.572	86.	19	5			
29113 FCSTCL COAL	126.	1.00	0.151	0.14	269.6	20.96	8.91	13.65	77.37	0.	0.	120.90	0.715	60.	20	5			
29113 FCSTCL COAL	126.	6.42	0.390	0.14	430.9	33.50	14.24	32.01	137.77	0.	-138.08	79.44	0.470	109.	20	5			
29113 IGGTST COAL	126.	1.00	0.117	0.14	255.8	19.89	8.46	10.27	80.41	0.	0.	119.02	0.704	73.	21	5			
29113 IGGTST COAL	126.	4.38	0.267	0.14	419.5	32.62	13.87	12.06	128.34	0.	-86.12	100.76	0.596	50.	17	6			
29113 GTSOAR RESIDUA	126.	1.00	0.110	0.14	129.3	9.57	4.07	4.44	139.65	0.	0.	157.73	0.933	17.	22	5			
29113 GTSOAR RESIDUA	126.	5.27	0.267	0.14	228.6	16.94	7.20	6.70	248.88	0.	-108.80	170.92	1.011	-70.	4	15			
29113 GTAC08 RESIDUA	126.	1.00	0.146	0.14	115.4	8.54	3.63	4.08	134.00	0.	0.	150.25	0.889	47.	44	3			
29113 GTAC08 RESIDUA	126.	3.70	0.311	0.14	153.0	11.33	4.82	4.71	187.90	0.	-68.90	139.87	0.827	62.	30	4			
29113 GTAC12 RESIDUA	126.	1.00	0.143	0.14	119.2	8.83	3.75	4.17	134.50	0.	0.	151.25	0.895	42.	38	3			
29113 GTAC12 RESIDUA	126.	4.66	0.332	0.14	188.3	13.95	5.93	5.63	209.37	0.	-93.32	141.56	0.837	40.	21	5			
29113 GTAC16 RESIDUA	126.	1.00	0.137	0.14	125.8	9.31	3.96	4.33	135.41	0.	0.	153.01	0.905	34.	30	4			
29113 GTAC16 RESIDUA	126.	5.41	0.336	0.14	225.1	16.67	7.09	6.58	229.68	0.	-112.54	147.48	0.872	5.	15	6			
29113 GTWC16 RESIDUA	126.	1.00	0.128	0.14	121.6	9.01	3.83	4.23	136.80	0.	0.	153.87	0.910	33.	31	4			
29113 GTWC16 RESIDUA	126.	5.50	0.316	0.14	191.3	14.17	6.02	5.75	239.09	0.	-114.64	150.40	0.890	11.	16	6			
29113 CC1626 RESIDUA	126.	1.00	0.125	0.14	122.1	9.26	3.94	4.38	137.29	0.	0.	154.87	0.916	28.	20	4			
29113 CC1626 RESIDUA	126.	8.13	0.344	0.14	258.3	19.60	8.33	7.86	303.01	0.	-181.79	157.02	0.929	-44.	10	9			
29113 CC1622 RESIDUA	126.	1.00	0.131	0.14	125.3	9.51	4.04	4.43	136.31	0.	0.	154.29	0.913	29.	27	4			
29113 CC1622 RESIDUA	126.	7.30	0.352	0.14	275.7	20.92	8.90	8.02	276.53	0.	-160.62	153.75	0.909	-42.	10	8			
29113 CC1222 RESIDUA	126.	1.00	0.132	0.14	122.9	9.33	3.97	4.40	136.11	0.	0.	153.60	0.910	31.	29	4			
29113 CC1222 RESIDUA	126.	7.25	0.355	0.14	256.0	19.43	8.26	7.75	274.03	0.	-159.40	150.07	0.888	-21.	12	7			
29113 CC0822 RESIDUA	126.	1.00	0.142	0.14	120.5	9.15	3.89	4.35	134.60	0.	0.	151.98	0.899	38.	33	3			
29113 CC0822 RESIDUA	126.	5.72	0.355	0.14	199.4	15.13	6.43	6.24	231.58	0.	-120.30	139.07	0.823	41.	21	5			
29113 DEHTPM RESIDUA	126.	1.00	0.120	0.14	192.4	14.25	6.06	6.23	138.10	0.	0.	164.64	0.974	-34.	8	10			
29113 DEHTPM RESIDUA	126.	4.63	0.278	0.14	483.4	35.80	15.22	13.41	225.47	0.	-92.60	197.31	1.167	-272.	0	999			
29113 GTSOAD DISTILL	126.	1.00	0.134	0.14	117.0	8.67	3.69	4.12	166.61	0.	0.	183.08	1.083	-56.	0	58			
29113 GTSOAD DISTILL	126.	4.55	0.309	0.14	162.7	12.05	5.12	5.00	261.84	0.	-90.56	193.45	1.144	-110.	0	59			
29113 GTRA08 DISTILL	126.	1.00	0.110	0.14	132.9	9.84	4.19	4.51	171.07	0.	0.	189.61	1.121	-84.	0	58			
29113 GTRA08 DISTILL	126.	8.86	0.311	0.14	361.2	26.75	11.37	10.13	416.95	0.	-200.45	264.76	1.566	-427.	0	59			
29113 GTRA12 DISTILL	126.	1.00	0.116	0.14	129.4	9.58	4.07	4.42	169.95	0.	0.	188.04	1.112	-78.	0	58			
29113 GTRA12 DISTILL	126.	8.34	0.322	0.14	345.6	25.60	10.88	9.72	391.46	0.	-187.22	250.43	1.481	-374.	0	59			

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****[LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)]*****																			
ENERGY CONV	SITE- FUEL	POWER REQD	POWER GEN/ REQD	FESRPOWER /HEAT COST	CAPITAL COST	CAPITAL COST	TAXES +	GANDM	FUEL	PURCHO ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH	ROI %	GROSS PAY			
SYSTEM		MW		RATIO *10**6			INSNC							15%		BACK			
29113	GTRA16	DISTILL	126.	7.58	0.322	0.14	338.1	25.04	10.65	9.50	364.69	0.	-167.70	242.18	1.432	-345.	0	60	
29113	GTR208	DISTILL	126.	1.00	0.121	0.14	129.2	9.57	4.07	4.42	169.12	0.	0.	187.17	1.107	-75.	0	58	
29113	GTR208	DISTILL	126.	6.03	0.306	0.14	248.5	18.41	7.83	7.21	316.66	0.	-128.31	221.79	1.312	-239.	0	59	
29113	GTR212	DISTILL	126.	1.00	0.121	0.14	126.7	9.38	3.99	4.36	169.12	0.	0.	186.85	1.105	-73.	0	58	
29113	GTR212	DISTILL	126.	6.48	0.313	0.14	269.0	19.93	8.47	7.74	329.69	0.	-139.65	226.18	1.336	-263.	0	59	
29113	GTR216	DISTILL	126.	1.00	0.123	0.14	129.5	9.59	4.08	4.42	168.70	0.	0.	186.78	1.105	-74.	0	58	
29113	GTR216	DISTILL	126.	6.68	0.321	0.14	292.2	21.65	9.20	8.32	332.65	0.	-144.67	227.15	1.344	-276.	0	60	
29113	GTRW08	DISTILL	126.	1.00	0.094	0.14	127.0	9.41	4.00	4.37	174.15	0.	0.	191.93	1.135	-89.	0	57	
29113	GTRW08	DISTILL	126.	10.36	0.275	0.14	347.3	25.73	10.94	9.85	495.59	0.	-238.55	303.57	1.796	-542.	0	58	
29113	GTRW12	DISTILL	126.	1.00	0.104	0.14	126.9	9.40	4.00	4.36	172.22	0.	0.	189.97	1.124	-83.	0	57	
29113	GTRW12	DISTILL	126.	10.19	0.303	0.14	335.3	24.84	10.56	9.53	470.12	0.	-234.25	280.80	1.661	-465.	0	58	
29113	GTRW16	DISTILL	126.	1.00	0.108	0.14	130.2	9.64	4.10	4.44	171.58	0.	0.	189.77	1.122	-83.	0	58	
29113	GTRW16	DISTILL	126.	9.16	0.306	0.14	318.3	23.58	10.02	9.07	430.87	0.	-207.99	265.56	1.571	-409.	0	58	
29113	GTR308	DISTILL	126.	1.00	0.086	0.14	121.6	9.01	3.83	4.25	175.81	0.	0.	192.69	1.141	-89.	0	57	
29113	GTR308	DISTILL	126.	7.69	0.233	0.14	259.9	19.25	8.19	7.60	416.87	0.	-170.66	281.25	1.664	-431.	0	57	
29113	GTR312	DISTILL	126.	1.00	0.113	0.14	123.2	9.13	3.88	4.27	170.55	0.	0.	187.83	1.111	-74.	0	57	
29113	GTR312	DISTILL	126.	7.61	0.307	0.14	261.4	19.36	8.23	7.59	373.88	0.	-168.53	240.48	1.422	-304.	0	58	
29113	GTR316	DISTILL	126.	1.00	0.113	0.14	124.8	9.24	3.93	4.31	170.66	0.	0.	188.13	1.113	-76.	0	58	
29113	GTR316	DISTILL	126.	7.48	0.304	0.14	269.4	19.96	8.48	7.79	370.55	0.	-165.18	241.61	1.429	-311.	0	58	
29113	FCPADS	DISTILL	126.	1.00	0.089	0.14	170.6	12.63	5.37	17.46	175.16	0.	0.	210.62	1.246	-170.	0	59	
29113	FCPADS	DISTILL	126.	15.82	0.279	0.14	1007.8	74.64	31.73	219.61	699.03	0.	-377.70	647.32	3.829	-1957.	0	53	
29113	FCMCDS	DISTILL	126.	1.00	0.119	0.14	175.4	12.99	5.52	16.62	169.39	0.	0.	201.53	1.210	-153.	0	60	
29113	FCMCDS	DISTILL	126.	12.51	0.360	0.14	880.1	65.19	27.71	163.96	510.02	0.	-293.45	473.43	2.800	-1344.	0	61	
33121	ONOCGN	RESIDUA	60.	0.	0.	2.20	3.7	0.28	0.12	0.33	2.67	15.47	0.	18.86	1.000	0.	0	0	
33121	STM141	RESIDUA	60.	0.05	0.027	2.20	5.4	0.41	0.17	0.45	2.96	14.70	0.	18.69	0.991	-0.	11	8	
33121	STM141	COAL-FG	60.	0.05	0.027	2.20	10.8	0.82	0.35	0.80	1.72	14.70	0.	18.39	0.975	-2.	9	9	
33121	STM141	COAL-AF	60.	0.05	0.027	2.20	8.5	0.64	0.27	0.70	1.72	14.70	0.	18.04	0.956	0.	15	6	
33121	STM088	RESIDUA	60.	0.03	0.014	2.20	4.6	0.35	0.15	0.42	2.83	15.05	0.	18.81	0.997	-0.	9	10	
33121	STM088	COAL-FG	60.	0.03	0.014	2.20	9.8	0.75	0.32	0.76	1.64	15.05	0.	18.52	0.982	-2.	9	10	
33121	STM088	COAL-AF	60.	0.03	0.014	2.20	7.9	0.60	0.26	0.67	1.64	15.05	0.	18.23	0.966	-0.	14	7	
33121	PFBSTM	COAL-PF	60.	0.11	0.054	2.20	13.8	1.05	0.45	1.00	1.93	13.84	0.	18.27	0.969	-3.	9	9	
33121	TISTMT	RESIDUA	60.	0.15	0.078	2.20	30.3	2.30	0.98	1.09	3.58	13.15	0.	21.10	1.119	-20.	0	999	
33121	TISTMT	COAL	60.	0.15	0.078	2.20	38.7	2.94	1.25	1.53	2.08	13.15	0.	20.94	1.111	-23.	0	999	
33121	TIHRSG	RESIDUA	60.	0.10	0.033	2.20	29.8	2.20	0.94	0.98	3.68	13.87	0.	21.67	1.149	-21.	0	91	
33121	TIHRSG	COAL	60.	0.10	0.033	2.20	38.3	2.91	1.24	1.43	2.14	13.87	0.	21.58	1.144	-25.	0	999	
33121	STIRL	DISTILL	60.	0.21	0.077	2.20	10.5	0.78	0.33	0.57	5.58	12.22	0.	19.47	1.032	-5.	0	223	
33121	STIRL	RESIDUA	60.	0.21	0.077	2.20	10.5	0.78	0.33	0.57	4.55	12.22	0.	18.45	0.978	-2.	9	9	
33121	STIRL	COAL	60.	0.21	0.077	2.20	17.9	1.33	0.57	1.01	2.64	12.22	0.	17.76	0.942	-3.	10	9	
33121	HEGT60	COAL-AF	60.	0.58	0.029	2.20	61.4	4.66	1.98	2.28	6.51	6.47	0.	21.90	1.161	-37.	0	999	
33121	HEGT00	COAL-AF	60.	0.17	0.027	2.20	26.7	2.02	0.86	1.11	2.80	12.85	0.	19.64	1.041	-14.	2	21	
33121	FCMCCL	COAL	60.	0.29	0.133	2.20	30.7	2.39	1.02	1.50	2.79	10.94	0.	18.64	0.988	-13.	5	13	
33121	FCSTCL	COAL	60.	0.37	0.174	2.20	34.3	2.67	1.13	1.75	3.00	9.70	0.	18.32	0.972	-14.	6	12	
33121	IGGTST	COAL	60.	0.25	0.087	2.20	28.1	2.18	0.93	1.25	2.66	11.65	0.	18.87	1.000	-12.	5	13	

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SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	LANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST	+			ELEC				WORTH	%	PAY				
		MW	REQD	RATIO *10**6	INSNC								15%		PACK				
33121 GTAC08	RESIDUA	60.	0.24	0.108	2.20	8.3	0.62	0.26	0.46	4.39	11.80	0.	17.53	0.930	2.	22	5		
33121 GTAC12	RESIDUA	60.	0.30	0.133	2.20	9.7	0.72	0.30	0.50	4.90	10.84	0.	17.26	0.915	2.	21	5		
33121 GTAC16	RESIDUA	60.	0.35	0.149	2.20	11.1	0.82	0.35	0.55	5.35	10.12	0.	17.18	0.911	2.	19	5		
33121 GTWC16	RESIDUA	60.	0.35	0.141	2.20	11.3	0.83	0.35	0.56	5.59	10.01	0.	17.35	0.920	1.	17	6		
33121 CC1626	RESIDUA	60.	0.48	0.183	2.20	13.7	1.04	0.44	0.75	6.76	8.09	0.	17.08	0.906	1.	16	6		
33121 CC1622	RESIDUA	60.	0.43	0.173	2.20	12.9	0.98	0.41	0.71	6.17	8.87	0.	17.14	0.909	1.	16	6		
33121 CC1222	RESIDUA	60.	0.42	0.173	2.20	12.2	0.92	0.39	0.70	6.11	8.93	0.	17.05	0.904	2.	17	6		
33121 CC0822	RESIDUA	60.	0.33	0.144	2.20	10.5	0.80	0.34	0.64	5.16	10.38	0.	17.31	0.918	2.	18	6		
33121 DEADV3	RESIDUA	60.	0.99	0.262	2.20	40.1	2.97	1.26	1.46	13.31	0.16	0.	19.16	1.016	-18.	4	15		
33121 DEHTPM	RESIDUA	60.	0.31	0.121	2.20	17.0	1.26	0.53	0.80	5.29	10.69	0.	18.57	0.985	-5.	7	11		
33121 DES0A3	DISTILL	60.	1.00	0.218	2.20	51.1	3.79	1.61	1.87	17.50	0.	0.	24.76	1.313	-41.	0	78		
33121 DES0A3	DISTILL	60.	1.20	0.224	2.20	59.8	4.43	1.88	1.99	20.39	0.	-1.89	26.80	1.421	-51.	0	71		
33121 DES0A3	RESIDUA	60.	1.00	0.218	2.20	51.1	3.79	1.61	1.87	14.27	0.	0.	21.54	1.142	-31.	0	999		
33121 DES0A3	RESIDUA	60.	1.20	0.224	2.20	59.8	4.43	1.88	1.99	16.63	0.	-1.89	23.05	1.222	-39.	0	999		
33121 GTS0AD	DISTILL	60.	0.29	0.122	2.20	8.8	0.65	0.28	0.48	6.11	10.96	0.	18.48	0.980	-1.	10	9		
33121 GTRA08	DISTILL	60.	0.55	0.194	2.20	16.0	1.19	0.50	0.71	9.35	7.03	0.	18.78	0.996	-6.	5	13		
33121 GTRA12	DISTILL	60.	0.52	0.193	2.20	15.8	1.17	0.50	0.70	8.86	7.45	0.	18.67	0.990	-5.	6	12		
33121 GTRA16	DISTILL	60.	0.47	0.180	2.20	15.7	1.16	0.49	0.69	8.31	8.13	0.	18.79	0.996	-5.	5	13		
33121 GTR208	DISTILL	60.	0.38	0.146	2.20	12.1	0.89	0.38	0.58	7.29	9.57	0.	18.72	0.993	-3.	6	12		
33121 GTR212	DISTILL	60.	0.41	0.157	2.20	13.0	0.96	0.41	0.61	7.59	9.14	0.	18.71	0.992	-4.	6	12		
33121 GTR216	DISTILL	60.	0.42	0.164	2.20	13.8	1.02	0.43	0.63	7.64	8.96	0.	18.69	0.991	-4.	6	12		
33121 GTRW08	DISTILL	60.	0.64	0.194	2.20	17.4	1.29	0.55	0.76	11.18	5.55	0.	19.32	1.025	-8.	2	22		
33121 GTRW12	DISTILL	60.	0.64	0.212	2.20	17.2	1.28	0.54	0.75	10.69	5.63	0.	18.89	1.002	-6.	5	14		
33121 GTRW16	DISTILL	60.	0.58	0.197	2.20	16.9	1.25	0.53	0.74	9.87	6.56	0.	18.95	1.005	-6.	4	14		
33121 GTR308	DISTILL	60.	0.48	0.133	2.20	13.9	1.03	0.44	0.66	9.50	8.03	0.	19.64	1.042	-7.	0	999		
33121 GTR312	DISTILL	60.	0.48	0.173	2.20	13.9	1.03	0.44	0.65	8.66	7.98	0.	18.75	0.994	-4.	6	12		
33121 GTR316	DISTILL	60.	0.48	0.169	2.20	14.3	1.06	0.45	0.66	8.59	8.11	0.	18.87	1.001	-5.	5	14		
33121 FCPADS	DISTILL	60.	1.00	0.279	2.20	36.3	2.69	1.14	5.62	16.15	0.	0.	25.60	1.357	-37.	0	69		
33121 FCPADS	DISTILL	60.	1.02	0.279	2.20	36.8	2.73	1.16	5.64	16.35	0.	-0.14	25.73	1.365	-38.	0	69		
33121 FCMCDS	DISTILL	60.	0.80	0.299	2.20	31.4	2.33	0.99	4.26	11.93	3.04	0.	22.55	1.196	-25.	0	97		
33251 ONOCGN	RESIDUA	280.	0.	0.	1.05	30.3	2.24	0.95	1.24	13.25	72.21	0.	89.90	1.000	0.	0	0		
33251 STM141	RESIDUA	280.	0.11	0.056	1.05	31.6	2.40	1.02	1.41	16.15	64.57	0.	85.55	0.952	13.	102	1		
33251 STM141	COAL-FG	280.	0.11	0.056	1.05	62.1	4.72	2.00	3.13	9.38	64.57	0.	83.80	0.932	3.	16	6		
33251 STM141	COAL-AF	280.	0.11	0.056	1.05	42.3	3.21	1.36	2.78	9.38	64.57	0.	81.30	0.904	21.	33	3		
33251 STM088	RESIDUA	280.	0.06	0.031	1.05	28.1	2.13	0.91	1.31	14.83	68.03	0.	87.22	0.970	9.	939	0		
33251 STM088	COAL-FG	280.	0.06	0.031	1.05	57.6	4.37	1.86	2.92	8.01	68.03	0.	85.79	0.954	-1.	14	7		
33251 STM088	COAL-AF	280.	0.06	0.031	1.05	40.1	3.04	1.29	2.67	8.61	68.03	0.	83.65	0.931	14.	35	3		
33251 PFBSTM	COAL-PF	280.	0.22	0.112	1.05	62.0	4.71	2.00	4.80	11.49	56.14	0.	79.13	0.880	18.	23	5		
33251 T1STMT	RESIDUA	280.	0.16	0.083	1.05	113.0	8.58	3.65	3.78	17.79	60.63	0.	94.42	1.050	-54.	0	999		
33251 T1STMT	COAL	280.	0.32	0.164	1.05	211.4	16.04	6.82	6.99	12.90	49.35	0.	92.10	1.024	-94.	4	15		
33251 TIHRSG	RESIDUA	280.	0.11	0.035	1.05	111.7	8.27	3.52	3.60	18.30	64.23	0.	97.92	1.089	-63.	0	117		
33251 TIHRSG	COAL	280.	0.22	0.069	1.05	210.7	15.99	6.80	6.88	13.49	56.45	0.	99.59	1.108	-117.	0	999		
33251 STIRL	DISTILL	280.	0.22	0.081	1.05	65.9	4.88	2.07	2.58	27.72	56.03	0.	93.28	1.038	-27.	0	152		

ENERGY SYSTEM - D1185-02

ENERGY	CONV	SITE-	POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	AND	ENERGY	PURCHD	REVENUE	TOTAL	NORML	PRESENT	ROI	GROSS
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST			+		FUEL	ELEC				WORTH	%	PAY
		MW	REQD	RATIO	*10**6			INSNC							15%		BACK
33251	STIRL	COAL	280.	0.44	0.159	1.05	167.2	12.39	5.27	6.16	18.43	40.26	0.	82.50	0.918	-41.	9
33251	HEGT60	COAL-AF	280.	1.00	0.049	1.05	279.5	21.21	9.62	11.27	47.48	0.	0.	88.98	0.990	-118.	5
33251	HEGT60	COAL-AF	280.	1.22	0.051	1.05	376.5	28.57	12.15	13.86	56.35	0.	-9.66	101.27	1.126	-202.	2
33251	HEGT60	COAL-AF	280.	0.36	0.057	1.05	134.2	10.19	4.33	5.53	19.93	46.44	0.	86.41	0.961	-39.	7
33251	FCMCL	COAL	280.	0.62	0.127	1.05	160.3	12.46	5.30	8.67	27.38	27.75	0.	81.56	0.907	-39.	9
33251	FCSTCL	COAL	280.	0.79	0.214	1.05	179.1	13.92	5.92	9.73	30.19	15.51	0.	75.28	0.837	-29.	11
33251	IGGTST	COAL	280.	0.52	0.032	1.05	142.1	11.04	4.70	4.63	28.09	34.62	0.	83.08	0.924	-34.	9
33251	GTSOAR	RESIDUA	280.	0.35	0.123	1.05	55.1	4.08	1.74	2.26	28.34	46.73	0.	83.14	0.925	9.	21
33251	GTAC08	RESIDUA	280.	0.25	0.114	1.05	45.5	3.37	1.43	1.97	21.83	53.94	0.	82.53	0.918	16.	31
33251	GTAC12	RESIDUA	280.	0.32	0.141	1.05	51.2	3.79	1.61	2.13	24.33	49.20	0.	81.06	0.902	18.	28
33251	GTAC16	RESIDUA	280.	0.37	0.157	1.05	56.5	4.18	1.78	2.20	26.56	45.60	0.	80.41	0.894	17.	25
33251	GTWC16	RESIDUA	280.	0.38	0.149	1.05	53.8	3.98	1.69	2.22	27.78	45.07	0.	80.75	0.898	18.	27
33251	CC1626	RESIDUA	280.	1.00	0.232	1.05	86.4	6.56	2.79	3.09	66.07	0.	0.	78.51	0.873	8.	17
33251	CC1626	RESIDUA	280.	0.51	0.194	1.05	61.4	4.66	1.98	2.60	33.60	35.49	0.	78.33	0.871	21.	25
33251	CC1622	RESIDUA	280.	0.46	0.182	1.05	62.2	4.72	2.01	2.57	30.69	39.34	0.	79.33	0.882	17.	23
33251	CC1222	RESIDUA	280.	0.45	0.182	1.05	59.6	4.52	1.92	2.53	30.38	39.63	0.	78.99	0.879	20.	25
33251	CC0822	RESIDUA	280.	0.35	0.153	1.05	49.5	3.76	1.60	2.24	25.68	46.85	0.	80.13	0.891	21.	31
33251	DEADV3	RESIDUA	280.	1.00	0.262	1.05	198.4	14.69	6.25	6.14	63.44	0.	0.	90.52	1.007	-81.	5
33251	DEADV3	RESIDUA	280.	1.05	0.265	1.05	207.3	15.35	6.53	6.37	66.13	0.	-2.32	92.06	1.024	-90.	4
33251	DEADTM	RESIDUA	280.	0.33	0.127	1.05	97.2	7.20	3.06	3.49	26.27	48.43	0.	88.44	0.984	-27.	7
33251	DESOA3	DISTILL	280.	1.00	0.216	1.05	244.0	18.07	7.68	7.31	82.63	0.	0.	115.69	1.287	-181.	0
33251	DESOA3	DISTILL	280.	1.28	0.224	1.05	303.5	22.48	9.56	8.85	101.28	0.	-12.17	129.99	1.446	-254.	0
33251	DESOA3	RESIDUA	280.	1.00	0.216	1.05	244.0	18.07	7.68	7.31	67.41	0.	0.	100.47	1.118	-133.	0
33251	DESOA3	RESIDUA	280.	1.28	0.224	1.05	303.5	22.48	9.56	8.85	82.62	0.	-12.17	111.33	1.238	-195.	0
33251	GTSOAR	DISTILL	280.	0.31	0.129	1.05	47.2	3.49	1.49	2.04	30.36	49.79	0.	87.16	0.970	1.	15
33251	GTRA08	DISTILL	280.	1.00	0.242	1.05	107.8	7.99	3.40	3.61	79.96	0.	0.	94.95	1.056	-52.	0
33251	GTRA08	DISTILL	280.	0.58	0.205	1.05	79.3	5.87	2.50	2.92	46.47	30.24	0.	88.00	0.979	-17.	8
33251	GTRA12	DISTILL	280.	1.00	0.244	1.05	108.2	8.02	3.41	3.59	79.73	0.	0.	94.75	1.054	-52.	0
33251	GTRA12	DISTILL	280.	0.55	0.204	1.05	76.9	5.70	2.42	2.85	44.03	32.33	0.	87.33	0.971	-14.	9
33251	GTRA16	DISTILL	280.	0.50	0.190	1.05	76.4	5.66	2.41	2.82	41.30	35.75	0.	87.94	0.978	-16.	8
33251	GTR208	DISTILL	280.	0.41	0.154	1.05	58.3	4.32	1.83	2.34	36.21	42.90	0.	87.60	0.974	-6.	11
33251	GTR212	DISTILL	280.	0.44	0.165	1.05	61.5	4.55	1.94	2.43	37.68	40.75	0.	87.35	0.972	-7.	11
33251	GTR216	DISTILL	280.	0.45	0.173	1.05	64.9	4.81	2.04	2.52	37.97	39.84	0.	87.18	0.970	-8.	10
33251	GTRV08	DISTILL	280.	1.00	0.229	1.05	94.4	6.99	2.97	3.35	81.32	0.	0.	94.63	1.053	-45.	0
33251	GTRV08	DISTILL	280.	0.68	0.205	1.05	80.4	5.95	2.53	2.98	55.53	22.90	0.	89.90	1.000	-24.	5
33251	GTRW12	DISTILL	280.	1.00	0.256	1.05	94.1	6.97	2.96	3.33	78.42	0.	0.	91.68	1.020	-36.	2
33251	GTRW12	DISTILL	280.	0.68	0.223	1.05	79.9	5.92	2.52	2.96	53.11	23.30	0.	87.81	0.977	-17.	8
33251	GTRW16	DISTILL	280.	1.00	0.242	1.05	96.8	7.17	3.05	3.36	79.96	0.	0.	93.54	1.040	-43.	0
33251	GTRW16	DISTILL	280.	0.61	0.208	1.05	70.9	5.25	2.23	2.72	49.05	27.91	0.	87.16	0.970	-10.	10
33251	GTR308	DISTILL	280.	1.00	0.127	1.05	88.9	6.58	2.80	3.04	92.08	0.	0.	104.50	1.162	-73.	0
33251	GTR308	DISTILL	280.	0.51	0.140	1.05	62.4	4.63	1.97	2.50	47.18	35.21	0.	91.48	1.018	-20.	0
33251	GTR312	DISTILL	280.	1.00	0.208	1.05	87.9	6.51	2.77	3.01	83.46	0.	0.	95.75	1.065	-45.	0
33251	GTR312	DISTILL	280.	0.52	0.182	1.05	62.1	4.60	1.95	2.47	43.04	34.97	0.	87.04	0.968	-6.	11

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&SE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST															
		MW	REQD	RATIO *10**6	INSNC									15%	%	PAY	BACK		
33251 GTR375	DISTILL	280.	0.51	0.178	1.05	63.3	4.69	1.99	2.50	42.68	35.61	0.	87.47	0.973	-8.	10	9		
33251 FCPADS	DISTILL	280.	1.00	0.276	1.05	177.7	13.16	5.59	25.99	76.33	0.	0.	121.08	1.347	-170.	0	69		
33251 FCPADS	DISTILL	280.	1.08	0.279	1.05	189.7	14.05	5.97	27.97	81.20	0.	-3.51	125.69	1.398	-190.	0	67		
33251 FCMCDS	DISTILL	280.	1.00	0.343	1.05	188.0	13.92	5.92	24.59	69.28	0.	0.	113.71	1.265	-151.	0	83		
33251 FCMCDS	DISTILL	280.	0.86	0.316	1.05	165.5	12.26	5.21	21.25	59.24	10.46	0.	108.42	1.206	-124.	0	94		
33254 ONOCGN	RESIDUA	40.	0.	0.	1.50	3.7	0.27	0.12	0.32	2.61	10.32	0.	13.64	1.000	0.	0	0		
33254 STM141	RESIDUA	40.	0.07	0.037	1.50	5.3	0.41	0.17	0.44	2.90	9.56	0.	13.48	0.988	-0.	11	8		
33254 STM141	COAL-FG	40.	0.07	0.037	1.50	10.6	0.81	0.34	0.79	1.68	9.56	0.	13.18	0.967	-2.	9	9		
33254 STM141	COAL-AF	40.	0.07	0.037	1.50	8.4	0.64	0.27	0.69	1.68	9.56	0.	12.84	0.942	0.	15	6		
33254 STM088	RESIDUA	40.	0.04	0.020	1.50	4.6	0.35	0.15	0.42	2.77	9.90	0.	13.59	0.996	-0.	8	10		
33254 STM088	COAL-FG	40.	0.04	0.020	1.50	9.7	0.73	0.31	0.76	1.61	9.90	0.	13.31	0.976	-2.	9	10		
33254 STM088	COAL-AF	40.	0.04	0.020	1.50	7.8	0.59	0.25	0.67	1.61	9.90	0.	13.02	0.955	-0.	14	7		
33254 PFBSTM	COAL-PF	40.	0.15	0.074	1.50	13.6	1.03	0.44	0.99	1.89	8.72	0.	13.07	0.958	-3.	9	9		
33254 TISTMT	RESIDUA	40.	0.22	0.108	1.50	29.8	2.26	0.96	1.08	3.50	8.04	0.	15.85	1.162	-20.	0	999		
33254 TISTMT	COAL	40.	0.22	0.108	1.50	38.1	2.89	1.23	1.51	2.03	8.04	0.	15.71	1.152	-23.	0	999		
33254 TIHRSG	RESIDUA	40.	0.15	0.045	1.50	29.3	2.17	0.92	0.97	3.61	8.74	0.	16.41	1.203	-21.	0	91		
33254 TIHRSG	COAL	40.	0.15	0.045	1.50	37.7	2.86	1.22	1.41	2.09	8.74	0.	16.32	1.197	-25.	0	999		
33254 STIRL	DISTILL	40.	0.31	0.105	1.50	10.3	0.76	0.32	0.56	5.46	7.13	0.	14.23	1.044	-5.	0	223		
33254 STIRL	RESIDUA	40.	0.31	0.105	1.50	10.3	0.76	0.32	0.56	4.45	7.13	0.	13.23	0.970	-2.	9	9		
33254 STIRL	COAL	40.	0.31	0.105	1.50	17.6	1.31	0.56	0.99	2.59	7.13	0.	12.57	0.922	-3.	10	9		
33254 HEGT60	COAL-AF	40.	0.85	0.040	1.50	60.4	4.59	1.95	2.25	6.37	1.50	0.	16.66	1.222	-37.	0	999		
33254 HEGT00	COAL-AF	40.	0.25	0.038	1.50	26.3	1.99	0.85	1.09	2.74	7.74	0.	14.42	1.057	-13.	2	22		
33254 FCMCCL	COAL	40.	0.43	0.183	1.50	30.2	2.35	1.00	1.48	2.73	5.88	0.	13.44	0.986	-13.	5	13		
33254 FCSTCL	COAL	40.	0.55	0.240	1.50	33.8	2.62	1.12	1.72	3.01	4.67	0.	13.14	0.964	-13.	6	12		
33254 IGGTST	COAL	40.	0.36	0.120	1.50	27.7	2.15	0.91	1.23	2.80	6.57	0.	13.67	1.003	-12.	5	14		
33254 GTSOAR	RESIDUA	40.	0.49	0.160	1.50	11.2	0.83	0.35	0.56	5.58	5.30	0.	12.61	0.925	-0.	14	7		
33254 GTAC08	RESIDUA	40.	0.35	0.149	1.50	8.2	0.61	0.26	0.46	4.30	6.72	0.	12.34	0.905	2.	22	5		
33254 GTAC12	RESIDUA	40.	0.44	0.183	1.50	9.5	0.70	0.30	0.50	4.79	5.78	0.	12.08	0.886	2.	21	5		
33254 GTAC16	RESIDUA	40.	0.51	0.204	1.50	10.9	0.81	0.34	0.54	5.23	5.08	0.	12.00	0.880	2.	19	5		
33254 GTWC16	RESIDUA	40.	0.52	0.194	1.50	11.1	0.82	0.35	0.55	5.47	4.97	0.	12.17	0.892	1.	17	6		
33254 CC1626	RESIDUA	40.	0.70	0.252	1.50	13.5	1.02	0.44	0.74	6.61	3.09	0.	11.91	0.873	1.	16	6		
33254 CC1622	RESIDUA	40.	0.63	0.237	1.50	12.6	0.96	0.41	0.70	6.04	3.85	0.	11.96	0.877	1.	16	6		
33254 CC1222	RESIDUA	40.	0.62	0.237	1.50	12.0	0.91	0.39	0.69	5.98	3.91	0.	11.88	0.871	1.	17	6		
33254 CC0822	RESIDUA	40.	0.48	0.198	1.50	10.3	0.78	0.33	0.63	5.05	5.33	0.	12.13	0.890	1.	18	6		
33254 DEADV3	RESIDUA	40.	1.00	0.248	1.50	29.2	2.16	0.92	1.28	9.78	0.	0.	14.14	1.037	-14.	3	17		
33254 DEADV3	RESIDUA	40.	1.45	0.265	1.50	39.3	2.91	1.24	1.43	13.02	0.	-2.80	15.80	1.159	-24.	0	999		
33254 DEHTPM	RESIDUA	40.	0.45	0.166	1.50	16.6	1.23	0.52	0.79	5.17	5.63	0.	13.35	0.979	-5.	7	11		
33254 DESO3	DISTILL	40.	1.00	0.204	1.50	35.9	2.66	1.13	1.47	12.68	0.	0.	17.95	1.316	-29.	0	75		
33254 DESO3	DISTILL	40.	1.77	0.224	1.50	58.6	4.34	1.84	1.95	19.95	0.	-4.74	23.34	1.712	-50.	0	65		
33254 DESO3	RESIDUA	40.	1.00	0.204	1.50	35.9	2.66	1.13	1.47	10.35	0.	0.	15.61	1.145	-21.	0	999		
33254 DESO3	RESIDUA	40.	1.77	0.224	1.50	58.6	4.34	1.84	1.95	16.27	0.	-4.74	19.67	1.442	-45.	0	91		
33254 GTSO3	DISTILL	40.	0.43	0.168	1.50	8.6	0.64	0.27	0.48	5.98	5.90	0.	13.27	0.973	-1.	10	9		
33254 GTRA08	DISTILL	40.	0.80	0.267	1.50	15.8	1.17	0.50	0.70	9.15	2.05	0.	13.57	0.995	-5.	5	13		

NOVELL SYSTEM - B115-02

DATE 06/07/79

E&SE-PEO-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC			ELEC				15%	%	PAY				
33254	GTRA16	DISTILL	40.	0.70	247	1.50	15.4	1.14	0.49	0.68	8.13	3.13	0.	13.58	0.996	-5.	5	13	
33254	GTR208	DISTILL	40.	0.56	0.201	1.50	11.9	0.88	0.37	0.58	7.13	4.54	0.	13.50	0.990	-3.	6	12	
33254	GTR212	DISTILL	40.	0.60	0.215	1.50	12.8	0.95	0.40	0.60	7.42	4.12	0.	13.50	0.990	-4.	6	12	
33254	GTR216	DISTILL	40.	0.62	0.226	1.50	13.6	1.01	0.43	0.62	7.48	3.94	0.	13.48	0.988	-4.	5	12	
33254	GTRW08	DISTILL	40.	0.94	0.267	1.50	17.1	1.27	0.54	0.75	10.94	0.60	0.	14.10	1.034	-8.	1	22	
33254	GTRW12	DISTILL	40.	0.93	0.291	1.50	17.0	1.26	0.53	0.75	10.46	0.68	0.	13.68	1.003	-6.	5	14	
33254	GTRW16	DISTILL	40.	0.85	0.271	1.50	16.6	1.23	0.52	0.73	9.66	1.59	0.	13.73	1.007	-6.	4	14	
33254	GTR308	DISTILL	40.	0.71	0.182	1.50	13.6	1.01	0.43	0.65	9.29	3.03	0.	14.41	1.057	-7.	0	999	
33254	GTR312	DISTILL	40.	0.71	0.237	1.50	13.6	1.01	0.43	0.64	8.48	2.98	0.	13.54	0.993	-4.	6	12	
33254	GTR316	DISTILL	40.	0.70	0.232	1.50	14.1	1.05	0.44	0.65	8.41	3.11	0.	13.65	1.001	-5.	5	14	
33254	FCPADS	DISTILL	40.	1.00	0.261	1.50	26.2	1.94	0.83	3.96	11.78	0.	0.	18.61	1.357	-26.	0	68	
33254	FCPADS	DISTILL	40.	1.49	0.279	1.50	35.8	2.65	1.13	5.52	15.99	0.	-3.04	22.26	1.632	-43.	0	64	
33254	FCMCDS	DISTILL	40.	1.00	0.349	1.50	27.4	2.03	0.86	3.71	10.38	0.	0.	16.99	1.246	-22.	0	88	
33254	FCMCDS	DISTILL	40.	1.18	0.360	1.50	30.8	2.28	0.97	4.17	11.67	0.	-1.11	17.99	1.319	-27.	0	78	
33314	ONOCGN	RESIDUA	10.	0.	0.	0.86	2.2	0.16	0.07	0.23	1.30	2.96	0.	4.73	1.000	0.	0	0	
33314	STM141	RESIDUA	10.	0.21	0.092	0.86	3.6	0.27	0.12	0.34	1.54	2.33	0.	4.60	0.974	-0.	10	8	
33314	STM141	COAL-FG	10.	0.21	0.092	0.86	6.6	0.50	0.21	0.57	0.90	2.33	0.	4.51	0.953	-1.	8	10	
33314	STM141	COAL-AF	10.	0.21	0.092	0.86	5.6	0.42	0.18	0.50	0.90	2.33	0.	4.33	0.917	-0.	12	8	
33314	STM088	RESIDUA	10.	0.15	0.065	0.86	3.1	0.23	0.10	0.32	1.47	2.52	0.	4.65	0.983	-0.	10	9	
33314	STM088	COAL-FG	10.	0.15	0.065	0.86	6.0	0.45	0.19	0.54	0.85	2.52	0.	4.57	0.966	-1.	8	10	
33314	STM088	COAL-AF	10.	0.15	0.065	0.86	5.2	0.40	0.17	0.48	0.85	2.52	0.	4.43	0.936	-1.	11	8	
33314	PFBSTM	COAL-PF	10.	0.36	0.153	0.86	8.6	0.65	0.28	0.66	1.00	1.89	0.	4.49	0.950	-2.	7	11	
33314	TISTMT	RESIDUA	10.	0.49	0.208	0.86	17.3	1.32	0.56	0.70	1.87	1.52	0.	5.96	1.261	-11.	0	999	
33314	TISTMT	COAL	10.	0.49	0.208	0.86	22.1	1.68	0.71	0.98	1.08	1.52	0.	5.98	1.264	-14.	0	999	
33314	TIHRSG	RESIDUA	10.	0.25	0.080	0.86	15.4	1.14	0.49	0.56	1.72	2.21	0.	6.11	1.293	-11.	0	97	
33314	TIHRSG	COAL	10.	0.25	0.080	0.86	19.9	1.51	0.64	0.82	1.00	2.21	0.	6.18	1.307	-13.	0	999	
33314	STIRL	DISTILL	10.	0.61	0.190	0.86	5.0	0.37	0.16	0.35	2.85	1.14	0.	4.87	1.030	-2.	0	999	
33314	STIRL	RESIDUA	10.	0.61	0.190	0.86	5.0	0.37	0.16	0.35	2.33	1.14	0.	4.35	0.919	-0.	14	7	
33314	STIRL	COAL	10.	0.61	0.190	0.86	8.4	0.62	0.26	0.61	1.35	1.14	0.	3.99	0.843	-1.	13	7	
33314	HEGT85	COAL-AF	10.	1.00	0.101	0.86	29.6	2.24	0.95	1.34	2.24	0.	0.	6.77	1.432	-20.	0	999	
33314	HEGT85	COAL-AF	10.	3.07	0.127	0.86	56.8	4.31	1.83	2.06	5.31	0.	-3.68	9.83	2.079	-42.	0	196	
33314	HEGT60	COAL-AF	10.	1.00	0.132	0.86	26.1	1.98	0.84	1.11	2.16	0.	0.	6.10	1.290	-16.	0	999	
33314	HEGT60	COAL-AF	10.	1.03	0.133	0.86	26.1	1.98	0.84	1.03	2.20	0.	-0.05	6.00	1.270	-16.	0	999	
33314	HEGT00	COAL-AF	10.	0.42	0.066	0.86	14.3	1.09	0.46	0.64	1.32	1.72	0.	5.23	1.107	-7.	1	25	
33314	FCMCCL	COAL	10.	0.75	0.277	0.86	16.9	1.31	0.56	0.87	1.36	0.75	0.	4.85	1.026	-8.	4	15	
33314	FCSTCL	COAL	10.	1.00	0.385	0.86	19.9	1.55	0.66	1.18	1.53	0.	0.	4.92	1.041	-9.	4	15	
33314	FCSTCL	COAL	10.	1.09	0.394	0.86	20.0	1.55	0.66	1.08	1.60	0.	-0.16	4.74	1.003	-9.	5	14	
33314	IGGTST	COAL	10.	0.75	0.227	0.86	17.0	1.33	0.56	0.86	1.49	0.74	0.	4.98	1.053	-8.	4	16	
33314	GTSOAR	RESIDUA	10.	0.79	0.247	0.86	6.0	0.45	0.19	0.35	2.61	0.61	0.	4.21	0.891	-0.	14	7	
33314	GTAC08	RESIDUA	10.	0.61	0.226	0.86	4.6	0.34	0.14	0.30	2.16	1.16	0.	4.10	0.867	1.	20	5	
33314	GTAC12	RESIDUA	10.	0.76	0.278	0.86	5.2	0.38	0.16	0.32	2.39	0.70	0.	3.96	0.838	1.	20	5	
33314	GTAC16	RESIDUA	10.	0.87	0.310	0.86	5.8	0.43	0.18	0.34	2.56	0.40	0.	3.92	0.829	1.	18	6	
33314	GTWC16	RESIDUA	10.	0.90	0.294	0.86	6.3	0.46	0.20	0.36	2.74	0.29	0.	4.05	0.856	0.	15	6	

HONEYWELL-B-3-E-ENGINEERING SYSTEM- B1185-02

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	RATIO *10**6	INSNC			ELEC				WORTH	%	PAY				
		MW	REQD										15%		BACK				
33314 CC1626	RESIDUA	10.	1.38	0.349	0.86	8.1	0.62	0.26	0.52	3.52	0.	-0.67	4.26	0.901	-1.	10	9		
33314 CC1622	RESIDUA	10.	1.00	0.336	0.86	7.0	0.53	0.23	0.57	2.85	0.	0.	4.18	0.884	-1.	12	8		
33314 CC1622	RESIDUA	10.	1.24	0.356	0.86	7.4	0.56	0.24	0.49	3.22	0.	-0.42	4.09	0.865	-1.	13	7		
33314 CC1222	RESIDUA	10.	1.00	0.339	0.86	6.7	0.51	0.22	0.56	2.84	0.	0.	4.13	0.873	-0.	13	7		
33314 CC1222	RESIDUA	10.	1.23	0.359	0.86	7.0	0.53	0.23	0.49	3.19	0.	-0.41	4.03	0.852	-0.	14	7		
33314 CC0822	RESIDUA	10.	0.97	0.354	0.86	6.3	0.48	0.20	0.45	2.69	0.08	0.	3.90	0.825	1.	17	6		
33314 STIG15	RESIDUA	10.	1.00	0.120	0.86	7.9	0.59	0.25	0.65	3.77	0.	0.	5.26	1.113	-4.	0	862		
33314 STIG15	RESIDUA	10.	34.02	0.171	0.86	99.7	7.39	3.14	5.82	85.30	0.	-58.69	42.96	9.087	-166.	0	59		
33314 STIG10	RESIDUA	10.	1.00	0.172	0.86	7.3	0.54	0.23	0.59	3.55	0.	0.	4.92	1.040	-3.	1	23		
33314 STIG10	RESIDUA	10.	3.15	0.218	0.86	12.9	0.96	0.41	0.79	8.37	0.	-3.81	6.71	1.419	-11.	0	66		
33314 STIG1S	RESIDUA	10.	1.00	0.196	0.86	7.0	0.52	0.22	0.58	3.45	0.	0.	4.76	1.007	-2.	4	15		
33314 STIG1S	RESIDUA	10.	1.85	0.228	0.86	8.8	0.66	0.28	0.58	5.26	0.	-1.50	5.27	1.115	-5.	0	999		
33314 DEADV3	RESIDUA	10.	1.00	0.241	0.86	9.8	0.73	0.31	0.63	3.26	0.	0.	4.92	1.041	-4.	2	19		
33314 DEADV3	RESIDUA	10.	2.09	0.286	0.86	14.8	1.10	0.47	0.68	5.39	0.	-1.94	5.69	1.205	-9.	0	999		
33314 DEHTPM	RESIDUA	10.	0.89	0.319	0.86	8.5	0.63	0.27	0.49	2.59	0.33	0.	4.31	0.913	-2.	10	9		
33314 DESOA3	DISTILL	10.	1.00	0.204	0.86	10.6	0.78	0.33	0.66	4.19	0.	0.	5.96	1.260	-8.	0	72		
33314 DESOA3	DISTILL	10.	2.44	0.248	0.86	21.1	1.56	0.66	0.86	7.91	0.	-2.56	8.44	1.785	-20.	0	64		
33314 DESOA3	RESIDUA	10.	1.00	0.204	0.86	10.6	0.78	0.33	0.66	3.42	0.	0.	5.19	1.097	-5.	0	999		
33314 DESOA3	RESIDUA	10.	2.44	0.248	0.86	21.1	1.56	0.66	0.86	6.45	0.	-2.56	6.98	1.476	-16.	0	82		
33314 GTSOAD	DISTILL	10.	0.74	0.255	0.86	4.8	0.35	0.15	0.31	2.95	0.78	0.	4.55	0.963	-1.	10	9		
33314 GTRA08	DISTILL	10.	1.00	0.320	0.86	7.7	0.57	0.24	0.50	3.58	0.	0.	4.89	1.034	-3.	2	20		
33314 GTRA08	DISTILL	10.	1.23	0.339	0.86	8.1	0.60	0.25	0.42	4.03	0.	-0.41	4.89	1.035	-3.	2	20		
33314 GTRA12	DISTILL	10.	1.00	0.328	0.86	7.6	0.57	0.24	0.49	3.54	0.	0.	4.83	1.023	-3.	3	17		
33314 GTRA12	DISTILL	10.	1.20	0.345	0.86	8.0	0.59	0.25	0.41	3.92	0.	-0.35	4.82	1.020	-3.	3	16		
33314 GTRA16	DISTILL	10.	1.00	0.330	0.86	7.9	0.59	0.25	0.49	3.52	0.	0.	4.84	1.025	-3.	3	17		
33314 GTRA16	DISTILL	10.	1.12	0.341	0.86	8.0	0.59	0.25	0.41	3.74	0.	-0.21	4.80	1.015	-3.	4	15		
33314 GTR208	DISTILL	10.	0.92	0.304	0.86	6.4	0.47	0.20	0.36	3.38	0.23	0.	4.64	0.981	-2.	6	11		
33314 GTR212	DISTILL	10.	0.99	0.325	0.86	6.9	0.51	0.22	0.38	3.51	0.03	0.	4.64	0.982	-2.	6	12		
33314 GTR216	DISTILL	10.	1.00	0.335	0.86	7.2	0.54	0.23	0.43	3.50	0.	0.	4.69	0.993	-2.	5	13		
33314 GTR216	DISTILL	10.	1.01	0.336	0.86	7.2	0.53	0.23	0.39	3.53	0.	-0.03	4.64	0.982	-2.	6	12		
33314 GTRW08	DISTILL	10.	1.00	0.269	0.86	7.9	0.59	0.25	0.53	3.84	0.	0.	5.21	1.102	-4.	0	999		
33314 GTRW08	DISTILL	10.	1.47	0.298	0.86	9.0	0.67	0.28	0.46	4.89	0.	-0.83	5.47	1.158	-6.	0	93		
33314 GTRW12	DISTILL	10.	1.00	0.289	0.86	7.9	0.59	0.25	0.52	3.74	0.	0.	5.10	1.080	-4.	0	999		
33314 GTRW12	DISTILL	10.	1.49	0.320	0.86	9.1	0.67	0.29	0.46	4.79	0.	-0.87	5.34	1.129	-5.	0	316		
33314 GTRW16	DISTILL	10.	1.00	0.293	0.86	8.2	0.60	0.26	0.52	3.72	0.	0.	5.10	1.079	-4.	0	999		
33314 GTRW16	DISTILL	10.	1.38	0.320	0.86	9.0	0.67	0.28	0.45	4.52	0.	-0.67	5.25	1.111	-5.	0	999		
33314 GTR308	DISTILL	10.	1.00	0.249	0.86	7.2	0.53	0.23	0.48	3.95	0.	0.	5.18	1.096	-4.	0	311		
33314 GTR308	DISTILL	10.	1.12	0.258	0.86	7.2	0.53	0.23	0.40	4.23	0.	-0.21	5.18	1.096	-4.	0	243		
33314 GTR312	DISTILL	10.	1.00	0.299	0.86	7.3	0.54	0.23	0.49	3.69	0.	0.	4.95	1.047	-3.	0	26		
33314 GTR312	DISTILL	10.	1.20	0.315	0.86	7.5	0.56	0.24	0.41	4.10	0.	-0.35	4.95	1.048	-3.	1	26		
33314 GTR316	DISTILL	10.	1.00	0.297	0.86	7.6	0.56	0.24	0.49	3.70	0.	0.	4.99	1.056	-3.	0	30		
33314 GTR316	DISTILL	10.	1.18	0.311	0.86	7.8	0.58	0.25	0.41	4.07	0.	-0.32	4.99	1.057	-3.	0	29		
33314 FCPADS	DISTILL	10.	1.00	0.227	0.86	8.5	0.63	0.27	1.32	4.06	0.	0.	6.28	1.328	-8.	0	65		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	TAXES	OANDM	FUEL	PURCHD	REVENUE	TOTAL	NORML	PRESNT	ROI	GROSS					
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST			ELEC				WORTH	%	PAY					
		MW	REQD	RATIO *10**6	INSNC							15%		BACK					
33314 FCMCDS	DISTILL	10.	1.00	0.304	0.86	8.6	0.64	0.27	1.24	3.66	0.	0.	5.81	1.230	-7.	0	76		
33314 FCMCDS	DISTILL	10.	2.05	0.360	0.86	14.0	1.03	0.44	2.09	5.83	0.	-1.87	7.53	1.593	-15.	0	66		
33315 ONOCGN	RESIDUA	19.	0.	0.	1.05	2.8	0.21	0.09	0.27	1.96	5.43	0.	7.95	1.000	0.	0	0		
33315 STM141	RESIDUA	19.	0.17	0.079	1.05	4.6	0.35	0.15	0.39	2.31	4.49	0.	7.70	0.968	-0.	13	7		
33315 STM141	COAL-FG	19.	0.17	0.079	1.05	8.6	0.66	0.28	0.68	1.34	4.49	0.	7.45	0.937	-1.	11	8		
33315 STM141	COAL-AF	19.	0.17	0.079	1.05	7.1	0.54	0.23	0.60	1.34	4.49	0.	7.20	0.906	0.	15	6		
33315 STM088	RESIDUA	19.	0.12	0.055	1.05	4.0	0.30	0.13	0.38	2.20	4.77	0.	7.78	0.979	-0.	13	7		
33315 STM088	COAL-FG	19.	0.12	0.055	1.05	7.9	0.60	0.26	0.65	1.28	4.77	0.	7.56	0.951	-1.	10	9		
33315 STM088	COAL-AF	19.	0.12	0.055	1.05	6.7	0.51	0.21	0.58	1.28	4.77	0.	7.36	0.925	-0.	14	7		
33315 PFBSTM	COAL-PF	19.	0.29	0.131	1.05	11.1	0.84	0.36	0.83	1.50	3.84	0.	7.37	0.927	-2.	10	9		
33315 TISTMT	RESIDUA	19.	0.40	0.179	1.05	23.3	1.77	0.75	0.88	2.80	3.27	0.	9.47	1.191	-15.	0	999		
33315 TISTMT	COAL	19.	0.40	0.179	1.05	29.7	2.25	0.96	1.24	1.62	3.27	0.	9.35	1.176	-17.	0	999		
33315 TIHRSG	RESIDUA	19.	0.21	0.069	1.05	20.8	1.54	0.65	0.72	2.58	4.30	0.	9.79	1.231	-14.	0	102		
33315 TIHRSG	COAL	19.	0.21	0.069	1.05	26.8	2.03	0.86	1.05	1.50	4.30	0.	9.75	1.226	-17.	0	999		
33315 STIRL	DISTILL	19.	0.50	0.164	1.05	7.2	0.54	0.23	0.45	4.27	2.70	0.	8.19	1.030	-3.	0	999		
33315 STIRL	RESIDUA	19.	0.50	0.164	1.05	7.3	0.54	0.23	0.45	3.49	2.70	0.	7.40	0.931	-0.	13	7		
33315 STIRL	COAL	19.	0.50	0.164	1.05	13.1	0.97	0.41	0.80	2.02	2.70	0.	6.91	0.869	-2.	12	8		
33315 HEGT85	COAL-AF	19.	1.00	0.104	1.05	44.1	3.35	1.42	1.87	3.86	0.	0.	10.50	1.320	-28.	0	999		
33315 HEGT85	COAL-AF	19.	2.58	0.125	1.05	77.1	5.85	2.49	2.78	8.17	0.	-5.15	14.14	1.778	-55.	0	999		
33315 HEGT60	COAL-AF	19.	0.85	0.117	1.05	34.9	2.65	1.13	1.35	3.32	0.83	0.	9.28	1.167	-20.	1	25		
33315 HEGT0C	COAL-AF	19.	0.34	0.057	1.05	19.1	1.45	0.62	0.83	1.98	3.57	0.	8.44	1.061	-9.	2	20		
33315 FCMCCL	COAL	19.	0.61	0.240	1.05	22.4	1.74	0.74	1.14	2.04	2.11	0.	7.78	0.979	-9.	5	13		
33315 FCSTCL	COAL	19.	0.89	0.362	1.05	28.6	2.07	0.88	1.41	2.40	0.60	0.	7.36	0.925	-10.	7	11		
33315 IGGTST	COAL	19.	0.61	0.195	1.05	22.2	1.73	0.73	1.04	2.24	2.11	0.	7.85	0.987	-9.	5	13		
33315 GTSOAR	RESIDUA	19.	0.65	0.214	1.05	8.0	0.59	0.25	0.43	3.92	1.90	0.	7.10	0.893	0.	15	6		
33315 GTAC08	RESIDUA	19.	0.50	0.196	1.05	6.1	0.45	0.19	0.37	3.23	2.72	0.	6.97	0.877	2.	22	5		
33315 GTAC12	RESIDUA	19.	0.62	0.241	1.05	7.0	0.52	0.22	0.40	3.58	2.04	0.	6.76	0.850	2.	22	5		
33315 GTAC16	RESIDUA	19.	0.71	0.268	1.05	7.9	0.58	0.25	0.43	3.85	1.57	0.	6.68	0.840	2.	20	5		
33315 GTWC16	RESIDUA	19.	0.74	0.255	1.05	8.3	0.62	0.26	0.44	4.11	1.41	0.	6.84	0.861	1.	17	6		
33315 CC1626	RESIDUA	19.	1.00	0.338	1.05	10.6	0.81	0.34	0.71	4.91	0.	0.	6.78	0.852	-0.	14	7		
33315 CC1626	RESIDUA	19.	1.12	0.348	1.05	10.8	0.82	0.35	0.63	5.28	0.	-0.40	6.68	0.840	0.	15	7		
33315 CC1622	RESIDUA	19.	1.00	0.355	1.05	10.1	0.76	0.32	0.64	4.79	0.	0.	6.52	0.820	1.	17	6		
33315 CC1622	RESIDUA	19.	1.01	0.356	1.05	10.0	0.76	0.32	0.60	4.81	0.	-0.03	6.46	0.813	1.	17	6		
33315 CC1222	RESIDUA	19.	1.00	0.359	1.05	9.6	0.72	0.31	0.62	4.76	0.	0.	6.42	0.807	2.	18	6		
33315 CC1222	RESIDUA	19.	1.00	0.359	1.05	9.5	0.72	0.31	0.59	4.77	0.	-0.01	6.38	0.802	2.	19	5		
33315 CC0822	RESIDUA	19.	0.79	0.305	1.05	8.3	0.63	0.27	0.54	4.03	1.12	0.	6.59	0.829	2.	19	5		
33315 STIG15	RESIDUA	19.	1.00	0.127	1.05	11.6	0.86	0.37	0.88	6.48	0.	0.	8.58	1.080	-6.	0	999		
33315 STIG15	RESIDUA	19.	27.86	0.171	1.05	145.3	10.81	4.60	8.40	127.94	0.	-87.44	64.31	8.087	-244.	0	59		
33315 STIG10	RESIDUA	19.	1.00	0.182	1.05	10.7	0.79	0.34	0.79	6.07	0.	0.	7.99	1.004	-4.	4	14		
33315 STIG10	RESIDUA	19.	2.58	0.218	1.05	17.4	1.29	0.55	1.03	12.55	0.	-5.13	10.29	1.294	-14.	0	69		
33315 STIG10	RESIDUA	19.	1.00	0.208	1.05	10.1	0.75	0.32	0.76	5.88	0.	0.	7.71	0.969	-3.	7	11		
33315 STIG10	RESIDUA	19.	1.51	0.228	1.05	11.9	0.88	0.37	0.75	7.89	0.	-1.67	8.23	1.034	-5.	2	20		
33315 DEADV3	RESIDUA	19.	1.00	0.254	1.05	14.7	1.09	0.46	0.82	5.54	0.	0.	7.91	0.995	-5.	5	13		

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER	FESPOWER	CAPITAL	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS				
SYSTEM	FUEL	REQD	GEN/	/HEAT	COST														
		MW	REQD	RATIO	*10**6	INSNC													
33315 DEHTPM	RESIDUA	19.	0.73	0.275	1.05	11.1	0.82	0.35	0.60	3.88	1.49	0.	7.15	0.899	-1.	11	8		
33315 DESOA3	DISTILL	19.	1.00	0.215	1.05	17.9	1.32	0.56	0.91	7.15	0.	0.	9.94	1.250	-13.	0	76		
33315 DESOA3	DISTILL	19.	2.01	0.248	1.05	31.3	2.32	0.99	1.17	11.92	0.	-3.28	13.12	1.651	-30.	0	65		
33315 DESOA3	RESIDUA	19.	1.00	0.215	1.05	17.9	1.32	0.56	0.91	5.83	0.	0.	8.62	1.085	-9.	0	27		
33315 DESOA3	RESIDUA	19.	2.01	0.248	1.05	31.3	2.32	0.99	1.17	9.73	0.	-3.28	10.93	1.374	-23.	0	101		
33315 GTSOAD	DISTILL	19.	0.60	0.221	1.05	6.4	0.47	0.20	0.38	4.43	2.16	0.	7.64	0.961	-1.	11	8		
33315 GTRA08	DISTILL	19.	1.00	0.337	1.05	10.8	0.80	0.34	0.57	6.03	0.	0.	7.74	0.974	-3.	7	11		
33315 GTRA08	DISTILL	19.	1.01	0.338	1.05	10.8	0.80	0.34	0.52	6.06	0.	-0.03	7.69	0.967	-3.	7	11		
33315 GTRA12	DISTILL	19.	0.98	0.340	1.05	10.7	0.79	0.34	0.52	5.89	0.09	0.	7.63	0.959	-3.	8	10		
33315 GTRA16	DISTILL	19.	0.92	0.320	1.05	10.8	0.80	0.34	0.52	5.63	0.46	0.	7.74	0.973	-3.	7	11		
33315 GTR208	DISTILL	19.	0.76	0.264	1.05	8.5	0.63	0.27	0.45	5.07	1.32	0.	7.74	0.973	-2.	8	10		
33315 GTR212	DISTILL	19.	0.81	0.282	1.05	9.2	0.68	0.29	0.47	5.27	1.02	0.	7.73	0.973	-2.	7	10		
33315 GTR216	DISTILL	19.	0.83	0.294	1.05	9.6	0.71	0.30	0.48	5.29	0.91	0.	7.71	0.969	-2.	8	10		
33315 GTRW08	DISTILL	19.	1.00	0.284	1.05	11.4	0.84	0.36	0.65	6.52	0.	0.	8.37	1.052	-5.	0	30		
33315 GTRW08	DISTILL	19.	1.20	0.297	1.05	12.0	0.89	0.38	0.57	7.35	0.	-0.06	8.52	1.072	-6.	0	999		
33315 GTRW12	DISTILL	19.	1.00	0.305	1.05	11.4	0.84	0.36	0.65	6.33	0.	0.	8.18	1.028	-5.	2	19		
33315 GTRW12	DISTILL	19.	1.22	0.320	1.05	12.0	0.89	0.38	0.57	7.19	0.	-0.72	8.31	1.045	-5.	1	24		
33315 GTRW16	DISTILL	19.	1.00	0.310	1.05	11.6	0.86	0.37	0.64	6.28	0.	0.	8.15	1.026	-5.	3	18		
33315 GTRW16	DISTILL	19.	1.13	0.319	1.05	11.9	0.88	0.38	0.56	6.78	0.	-0.42	8.18	1.029	-5.	2	19		
33315 GTR308	DISTILL	19.	0.92	0.242	1.05	9.6	0.71	0.30	0.50	6.36	0.44	0.	8.31	1.045	-4.	0	999		
33315 GTR312	DISTILL	19.	0.98	0.310	1.05	10.0	0.74	0.31	0.50	6.15	0.10	0.	7.82	0.983	-3.	6	12		
33315 GTR316	DISTILL	19.	0.97	0.303	1.05	10.4	0.77	0.33	0.51	6.11	0.19	0.	7.90	0.994	-3.	5	13		
33315 FCPADS	DISTILL	19.	1.00	0.240	1.05	13.7	1.01	0.43	2.20	6.91	0.	0.	10.55	1.327	-13.	0	65		
33315 FCPADS	DISTILL	19.	2.12	0.279	1.05	24.0	1.78	0.76	4.09	11.99	0.	-3.66	14.95	1.881	-32.	0	62		
33315 FCMCDS	DISTILL	19.	1.00	0.321	1.05	14.2	1.05	0.45	2.07	6.18	0.	0.	9.75	1.226	-11.	0	81		
33315 FCMCDS	DISTILL	19.	1.68	0.360	1.05	20.7	1.53	0.65	3.09	8.75	0.	-2.22	11.81	1.485	-21.	0	63		
33316 ONOCGN	RESIDUA	16.	0.	0.	0.91	2.8	0.21	0.09	0.27	1.96	4.69	0.	7.22	1.000	0.	0	0		
33316 STM141	RESIDUA	16.	0.20	0.088	0.91	4.6	0.35	0.15	0.39	2.31	3.76	0.	6.96	0.965	-0.	13	7		
33316 STM141	COAL-F0	16.	0.20	0.088	0.91	8.6	0.66	0.28	0.68	1.34	3.76	0.	6.72	0.931	-1.	11	8		
33316 STM141	COAL-AF	16.	0.20	0.088	0.91	7.1	0.54	0.23	0.60	1.34	3.76	0.	6.47	0.896	0.	15	6		
33316 STM088	RESIDUA	16.	0.14	0.061	0.91	4.0	0.30	0.13	0.38	2.20	4.04	0.	7.05	0.977	-0.	13	7		
33316 STM088	COAL-F0	16.	0.14	0.061	0.91	7.9	0.60	0.26	0.65	1.28	4.04	0.	6.83	0.946	-1.	10	9		
33316 STM088	COAL-AF	16.	0.14	0.061	0.91	6.7	0.51	0.21	0.58	1.28	4.04	0.	6.62	0.917	-0.	14	7		
33316 PFBSTM	COAL-PF	16.	0.34	0.146	0.91	11.1	0.84	0.36	0.83	1.50	3.10	0.	6.64	0.920	-2.	10	9		
33316 TISTMT	RESIDUA	16.	0.46	0.199	0.91	23.3	1.77	0.75	0.88	2.80	2.54	0.	8.74	1.211	-15.	0	999		
33316 TISTMT	COAL	16.	0.46	0.199	0.91	29.7	2.25	0.96	1.24	1.62	2.54	0.	8.62	1.194	-17.	0	999		
33316 TIHRSG	RESIDUA	16.	0.24	0.077	0.91	20.8	1.54	0.65	0.72	2.58	3.57	0.	9.06	1.255	-14.	0	102		
33316 TIHRSG	COAL	16.	0.24	0.077	0.91	26.8	2.03	0.86	1.05	1.50	3.57	0.	9.02	1.249	-17.	0	999		
33316 STIRL	DISTILL	16.	0.58	0.182	0.91	7.2	0.54	0.23	0.45	4.27	1.97	0.	7.46	1.033	-3.	0	999		
33316 STIRL	RESIDUA	16.	0.58	0.182	0.91	7.3	0.54	0.23	0.45	3.49	1.97	0.	6.67	0.924	-0.	13	7		
33316 STIRL	COAL	16.	0.58	0.182	0.91	13.1	0.97	0.41	0.80	2.02	1.97	0.	6.17	0.855	-2.	12	8		
33316 HEGT85	COAL-AF	16.	1.00	0.100	0.91	40.5	3.08	1.31	1.75	3.49	0.	0.	9.63	1.333	-26.	0	999		
33316 HEGT85	COAL-AF	16.	2.98	0.125	0.91	77.1	5.85	2.49	2.78	8.17	0.	-5.59	13.70	1.898	-56.	0	***		

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I&SE-PEO-ADV-ENERGY-SYS

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SENSITIVITY OF CAPITAL COST							PERCENT OF ORIGINAL COST 100										
							*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****										
ENERGY CONV	SITE- POWER	POWER	FESRPOWER	CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS			
SYSTEM	FUEL	REQD	GEN/	HEAT	COST												
		MW	REQD	RATIO	*10**6	INSNC		ELEC				WORTH	%	PAY			
												15%		BACK			
33316 HEGT00	COAL-AF	16.	0.40	0.063	0.91	19.1	1.45	0.62	0.83	1.98	2.83	0.	7.70	1.067	-9.	2	20
33316 FCMCCL	COAL	16.	0.71	0.266	0.91	22.4	1.74	0.74	1.14	2.04	1.38	0.	7.05	0.977	-9.	5	13
33316 FCSTCL	COAL	16.	1.00	0.391	0.91	26.7	2.08	0.88	1.50	2.36	0.	0.	6.83	0.946	-11.	6	12
33316 FCSTCL	COAL	16.	1.03	0.394	0.91	26.6	2.07	0.88	1.41	2.40	0.	-0.08	6.68	0.925	-10.	7	11
33316 IGGTST	COAL	16.	0.71	0.217	0.91	22.2	1.73	0.73	1.04	2.24	1.37	0.	7.12	0.986	-9.	5	13
33316 GTSOAR	RESIDUA	16.	0.75	0.239	0.91	8.0	0.59	0.25	0.43	3.92	1.17	0.	6.37	0.882	0.	15	6
33316 GTAC08	RESIDUA	16.	0.58	0.217	0.91	6.1	0.45	0.19	0.37	3.23	1.99	0.	6.24	0.864	2.	22	5
33316 GTAC12	RESIDUA	16.	0.72	0.268	0.91	7.0	0.52	0.22	0.40	3.58	1.30	0.	6.02	0.835	2.	22	5
33316 GTAC16	RESIDUA	16.	0.82	0.298	0.91	7.9	0.58	0.25	0.43	3.85	0.84	0.	5.95	0.824	2.	20	5
33316 GTWC16	RESIDUA	16.	0.86	0.283	0.91	8.3	0.62	0.26	0.44	4.11	0.68	0.	6.11	0.847	1.	17	6
33316 CC1626	RESIDUA	16.	1.00	0.325	0.91	10.0	0.76	0.32	0.71	4.51	0.	0.	6.31	0.874	-1.	13	7
33316 CC1626	RESIDUA	16.	1.30	0.348	0.91	10.8	0.82	0.35	0.63	5.28	0.	-0.84	6.24	0.865	-1.	13	7
33316 CC1622	RESIDUA	16.	1.00	0.341	0.91	9.7	0.73	0.31	0.68	4.41	0.	0.	6.13	0.850	0.	15	7
33316 CC1622	RESIDUA	16.	1.17	0.356	0.91	10.0	0.76	0.32	0.60	4.81	0.	-0.47	6.02	0.834	0.	15	6
33316 CC1222	RESIDUA	16.	1.00	0.344	0.91	9.2	0.70	0.30	0.67	4.38	0.	0.	6.06	0.839	0.	16	6
33316 CC1222	RESIDUA	16.	1.16	0.359	0.91	9.5	0.72	0.31	0.59	4.77	0.	-0.45	5.94	0.823	1.	16	6
33316 CC0822	RESIDUA	16.	0.92	0.339	0.91	8.3	0.63	0.27	0.54	4.03	0.38	0.	5.86	0.812	2.	19	5
33316 STIG15	RESIDUA	16.	1.00	0.122	0.91	10.8	0.80	0.34	0.82	5.87	0.	0.	7.83	1.085	-6.	0	999
33316 STIG15	RESIDUA	16.	32.21	0.171	0.91	145.9	10.81	4.60	8.40	127.94	0.	-87.88	63.87	8.848	-245.	0	59
33316 STIG10	RESIDUA	16.	1.00	0.175	0.91	10.0	0.74	0.31	0.75	5.51	0.	0.	7.31	1.013	-4.	4	16
33316 STIG10	RESIDUA	16.	2.98	0.218	0.91	17.4	1.29	0.55	1.03	12.55	0.	-5.57	9.85	1.364	-15.	0	66
33316 STIG15	RESIDUA	16.	1.00	0.200	0.91	9.5	0.70	0.30	0.72	5.35	0.	0.	7.08	0.980	-3.	6	12
33316 STIG15	RESIDUA	16.	1.75	0.228	0.91	11.9	0.88	0.37	0.75	7.89	0.	-2.11	7.79	1.079	-6.	0	999
33316 DEADV3	RESIDUA	16.	1.00	0.244	0.91	13.3	0.98	0.42	0.78	5.03	0.	0.	7.23	1.001	-5.	5	14
33316 DEADV3	RESIDUA	16.	1.99	0.286	0.91	22.0	1.63	0.69	0.91	8.11	0.	-2.79	8.56	1.186	-13.	0	999
33316 DEHTPM	RESIDUA	16.	0.84	0.305	0.91	11.1	0.82	0.35	0.60	3.88	0.76	0.	6.41	0.888	-1.	11	8
33316 DESO3	DISTILL	16.	1.00	0.206	0.91	16.0	1.18	0.50	0.85	6.50	0.	0.	9.04	1.253	-12.	0	74
33316 DESO3	DISTILL	16.	2.32	0.248	0.91	31.3	2.32	0.99	1.17	11.92	0.	-3.72	12.68	1.757	-31.	0	64
33316 DESO3	RESIDUA	16.	1.00	0.206	0.91	16.0	1.18	0.50	0.85	5.31	0.	0.	7.84	1.087	-8.	0	29
33316 DESO3	RESIDUA	16.	2.32	0.248	0.91	31.3	2.32	0.99	1.17	9.73	0.	-3.72	10.49	1.453	-24.	0	86
33316 GTSO3	DISTILL	16.	0.70	0.245	0.91	6.4	0.47	0.20	0.38	4.43	1.42	0.	6.91	0.957	-1.	11	8
33316 GTRA08	DISTILL	16.	1.00	0.324	0.91	10.4	0.77	0.33	0.61	5.54	0.	0.	7.25	1.004	-4.	5	14
33316 GTRA08	DISTILL	16.	1.17	0.338	0.91	10.8	0.80	0.34	0.52	6.06	0.	-0.47	7.25	1.005	-4.	4	14
33316 GTRA12	DISTILL	16.	1.00	0.333	0.91	10.4	0.77	0.33	0.60	5.47	0.	0.	7.17	0.994	-3.	5	13
33316 GTRA12	DISTILL	16.	1.14	0.345	0.91	10.7	0.79	0.34	0.52	5.89	0.	-0.38	7.15	0.991	-3.	5	12
33316 GTRA16	DISTILL	16.	1.00	0.335	0.91	10.6	0.80	0.34	0.59	5.45	0.	0.	7.17	0.994	-4.	5	13
33316 GTRA16	DISTILL	16.	1.06	0.341	0.91	10.8	0.80	0.34	0.52	5.63	0.	-0.16	7.12	0.986	-3.	6	12
33316 GTR208	DISTILL	16.	0.87	0.293	0.91	8.5	0.63	0.27	0.45	5.07	0.59	0.	7.00	0.970	-2.	8	10
33316 GTR212	DISTILL	16.	0.94	0.313	0.91	9.2	0.68	0.29	0.47	5.27	0.29	0.	7.00	0.970	-2.	7	10
33316 GTR216	DISTILL	16.	0.96	0.327	0.91	9.6	0.71	0.30	0.48	5.29	0.18	0.	6.97	0.966	-2.	8	10
33316 GTRW08	DISTILL	16.	1.00	0.273	0.91	10.7	0.79	0.34	0.64	5.96	0.	0.	7.73	1.071	-5.	0	999
33316 GTRW08	DISTILL	16.	1.39	0.297	0.91	12.0	0.89	0.38	0.57	7.35	0.	-1.10	8.08	1.120	-7.	0	148
33316 GTRW12	DISTILL	16.	1.00	0.293	0.91	10.7	0.79	0.34	0.64	5.80	0.	0.	7.57	1.048	-5.	0	27

DATE 06/07/79
I&SE-PEG-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST										PERCENT OF ORIGINAL COST 100									
*****LEVELIZED ANNUAL ENERGY COSTS(\$ MILLIONS)*****																			
ENERGY CONV	SITE- POWER	POWER FESRPOWER	CAPITAL CAPITAL	TAXES	GANDM	FUEL	PURCHD	REVNUE	TOTAL	NORML	PRESNT	ROI	GROSS						
SYSTEM	FUEL	REQD	GEN/	/HEAT COST	+		ELEC				WORTH	%	PAY						
		MW	REQD	RATIO *10**6	INSNC						15%		BACK						
33316 GTRW16 DISTILL	16.	1.00	0.298	0.91	11.0	0.81	0.35	0.64	5.76	0.	0.	7.56	1.047	-5.	1	25			
33316 GTRW16 DISTILL	16.	1.31	0.319	0.91	11.9	0.38	0.38	0.56	6.78	0.	-0.86	7.74	1.073	-6.	0	999			
33316 GTR308 DISTILL	16.	1.00	0.253	0.91	9.7	0.71	0.30	0.57	6.12	0.	0.	7.72	1.069	-5.	0	999			
33316 GTR308 DISTILL	16.	1.06	0.257	0.91	9.6	0.71	0.30	0.50	6.36	0.	-0.17	7.69	1.066	-5.	0	999			
33316 GTR312 DISTILL	16.	1.00	0.304	0.91	9.8	0.73	0.31	0.59	5.71	0.	0.	7.34	1.016	-4.	3	16			
33316 GTR312 DISTILL	16.	1.13	0.314	0.91	10.0	0.74	0.31	0.50	6.15	0.	-0.38	7.33	1.016	-4.	3	16			
33316 GTR316 DISTILL	16.	1.00	0.302	0.91	10.2	0.76	0.32	0.60	5.72	0.	0.	7.40	1.025	-4.	3	19			
33316 GTR316 DISTILL	16.	1.12	0.311	0.91	10.4	0.77	0.33	0.51	6.11	0.	-0.33	7.39	1.024	-4.	3	18			
33316 FCPADS DISTILL	16.	1.00	0.231	0.91	12.4	0.92	0.39	1.95	6.30	0.	0.	9.57	1.325	-12.	0	66			
33316 FCPADS DISTILL	16.	2.46	0.279	0.91	24.0	1.78	0.76	4.09	11.99	0.	-4.10	14.51	2.011	-33.	0	62			
33316 FCMCDS DISTILL	16.	1.00	0.309	0.91	12.9	0.95	0.41	1.85	5.67	0.	0.	8.87	1.229	-10.	0	78			
33316 FCMCDS DISTILL	16.	1.94	0.360	0.91	20.7	1.53	0.65	3.09	8.75	0.	-2.66	11.37	1.575	-22.	0	66			

CONVEYER BASE RESULTING SYSTEM- P1185-02

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

6.1 - FUEL & EMISSIONS SAVINGS BY PROCESS- ECS MATCH

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 1

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				*****CAPITL--ELECTRIC POWER---				EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED
		ECS *****DIRECT*****	TOTAL	FESR	DIRECT	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX				
		FUEL OIL+GAS	COAL OIL+GAS	COAL													
20111	STM141	RESIDU	0.	-0.002	0.	0.003	0.26	-1.	-1.	-0.	1.	2.	0.	0.28	-0.	0.	137.
20111	STM141	RESIDU	0.	-0.002	0.	0.003	0.28	-1.	-1.	-0.	1.	2.	0.	0.29	0.	0.	105.
20111	STM141	COAL-F	0.	-0.002	0.	0.003	0.26	-1.	-2.	-0.	1.	0.	0.	0.18	-2.	0.	311.
20111	STM141	COAL-F	0.	-0.002	0.	0.003	0.28	-1.	-2.	-0.	1.	1.	0.	0.20	-2.	0.	239.
20111	STM141	COAL-A	0.	-0.002	0.	0.003	0.26	1.	-2.	-0.	2.	0.	0.	0.36	-2.	0.	270.
20111	STM141	COAL-A	0.	-0.002	0.	0.003	0.28	1.	-2.	-0.	3.	1.	0.	0.37	-1.	0.	198.
20111	STM088	RESIDU	0.	-0.001	0.	0.002	0.23	-0.	-1.	-0.	1.	1.	0.	0.24	0.	0.	103.
20111	STM088	COAL-F	0.	-0.001	0.	0.002	0.23	-0.	-2.	-0.	1.	0.	0.	0.14	-2.	0.	245.
20111	STM088	COAL-A	0.	-0.001	0.	0.002	0.23	1.	-2.	-0.	2.	0.	0.	0.32	-1.	0.	210.
20111	PFBSTM	COAL-P	0.	-0.002	0.	0.003	0.26	1.	-2.	0.	3.	0.	1.	0.41	-4.	0.	395.
20111	PFBSTM	COAL-P	0.	-0.003	0.	0.004	0.33	1.	-3.	0.	4.	1.	1.	0.49	-3.	0.	223.
20111	TISTMT	RESIDU	0.	-0.002	0.	0.003	0.26	-1.	-1.	-0.	1.	2.	0.	0.28	-6.	0.	462.
20111	TISTMT	RESIDU	0.	-0.003	0.	0.005	0.37	-1.	-1.	-0.	2.	3.	0.	0.39	-8.	0.	348.
20111	TISTMT	COAL	0.	-0.002	0.	0.003	0.26	-1.	-2.	-0.	1.	0.	0.	0.18	-9.	0.	703.
20111	TISTMT	COAL	0.	-0.003	0.	0.005	0.37	-1.	-3.	-0.	2.	2.	1.	0.30	-12.	0.	457.
20111	TIHRSG	RESIDU	0.	-0.001	0.	0.002	0.17	-1.	-1.	-0.	1.	1.	0.	0.19	-8.	0.	539.
20111	TIHRSG	COAL	0.	-0.001	0.	0.002	0.17	-1.	-2.	-0.	1.	-0.	0.	0.09	-10.	0.	727.
20111	STIRL	DISTIL	0.	-0.002	0.	0.002	0.21	0.	0.	0.	2.	3.	1.	0.54	0.	0.	114.
20111	STIRL	DISTIL	0.	-0.005	0.	0.005	0.32	-0.	-1.	0.	3.	5.	1.	0.61	2.	1.	66.
20111	STIRL	RESIDU	0.	-0.002	0.	0.002	0.21	-1.	-1.	-0.	1.	1.	-0.	0.22	0.	0.	110.
20111	STIRL	RESIDU	0.	-0.005	0.	0.005	0.32	-2.	-2.	-1.	2.	4.	-0.	0.33	2.	1.	62.
20111	STIRL	COAL	0.	-0.002	0.	0.002	0.21	-1.	-2.	-0.	1.	0.	0.	0.13	-3.	0.	318.
20111	STIRL	COAL	0.	-0.005	0.	0.005	0.32	-2.	-4.	-0.	2.	2.	1.	0.26	-1.	1.	128.
20111	HEGT85	COAL-A	0.	-0.002	0.	0.002	0.19	1.	-3.	-0.	2.	-0.	0.	0.27	-8.	0.	584.
20111	HEGT85	COAL-A	0.	-0.007	0.	0.006	0.31	-0.	-6.	-0.	4.	2.	1.	0.37	-11.	1.	318.
20111	HEGT60	COAL-A	0.	-0.003	0.	0.001	0.13	1.	-3.	-0.	2.	-0.	0.	0.22	-8.	0.	387.
20111	HEGT60	COAL-A	0.	-0.007	0.	0.003	0.20	-0.	-6.	-0.	3.	0.	1.	0.27	-10.	1.	337.
20111	HEGT00	COAL-A	0.	-0.003	0.	0.001	0.12	0.	-3.	-0.	2.	-0.	0.	0.19	-6.	0.	513.
20111	HEGT00	COAL-A	0.	-0.004	0.	0.002	0.14	0.	-3.	-0.	2.	-0.	0.	0.20	-6.	0.	397.
20111	FCMCCL	COAL	0.	-0.002	0.	0.002	0.23	1.	0.	0.	2.	3.	1.	0.63	-6.	0.	512.
20111	FCMCCL	COAL	0.	-0.005	0.	0.005	0.34	2.	2.	0.	5.	8.	1.	1.00	-7.	1.	272.
20111	FCSTCL	COAL	0.	-0.002	0.	0.002	0.24	1.	-0.	0.	2.	2.	1.	0.51	-6.	0.	512.
20111	FCSTCL	COAL	0.	-0.008	0.	0.010	0.42	2.	2.	0.	8.	12.	2.	1.00	-7.	1.	213.
20111	IGGTST	COAL	0.	-0.002	0.	0.002	0.19	-1.	-3.	0.	1.	-0.	1.	0.12	-6.	0.	352.
20111	IGGTST	COAL	0.	-0.007	0.	0.006	0.31	-2.	-5.	0.	2.	2.	1.	0.28	-7.	1.	259.
20111	GTSOAR	RESIDU	-0.002	0.	-0.002	0.004	0.21	-1.	-1.	-0.	0.	2.	0.	0.32	-0.	0.	144.
20111	GTSOAR	RESIDU	-0.005	0.	-0.005	0.010	0.31	-2.	-2.	-0.	1.	4.	1.	0.43	1.	1.	80.
20111	GTAC08	RESIDU	0.	-0.002	0.	0.002	0.22	-2.	-1.	-0.	-1.	1.	-0.	0.09	0.	0.	119.
20111	GTAC08	RESIDU	0.	-0.004	0.	0.004	0.31	-4.	-2.	-0.	-1.	3.	-0.	0.12	1.	0.	64.
20111	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.23	-2.	-1.	-0.	-0.	2.	-0.	0.11	0.	0.	120.
20111	GTAC12	RESIDU	0.	-0.005	0.	0.005	0.34	-4.	-2.	-1.	-1.	4.	-0.	0.16	2.	1.	64.
20111	GTAC16	RESIDU	0.	-0.002	0.	0.002	0.23	-2.	-1.	-0.	-0.	2.	-0.	0.11	0.	0.	125.
20111	GTAC16	RESIDU	0.	-0.005	0.	0.006	0.35	-5.	-2.	-1.	-1.	4.	-0.	0.18	2.	1.	68.
20111	GTWC16	RESIDU	0.	-0.002	0.	0.002	0.20	-2.	-1.	-0.	-1.	1.	-0.	0.08	-0.	0.	142.
20111	GTWC16	RESIDU	0.	-0.007	0.	0.006	0.31	-5.	-3.	-1.	-2.	4.	-0.	0.13	2.	1.	76.

DATE 06/08/79

GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****				*****TOTAL*****				*****TOTAL*****				EMSR SAVING	TOTAL EXPORT	COST LAEC SAVED		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART						
MWH																		
20111	CC1626	RESIDU	0.	-0.002	0.	0.002	0.20	-2.	-1.	-0.	-0.	1.	-0.	0.11	-0.	0.	165.	-0.
20111	CC1626	RESIDU	0.	-0.012	0.	0.010	0.37	-8.	-5.	-1.	-1.	7.	-0.	0.21	3.	2.	79.	-1.
20111	CC1622	RESIDU	0.	-0.002	0.	0.002	0.21	-2.	-1.	-0.	-0.	1.	-0.	0.12	-0.	0.	153.	-0.
20111	CC1622	RESIDU	0.	-0.010	0.	0.010	0.38	-8.	-4.	-1.	-1.	7.	-0.	0.22	3.	1.	75.	-1.
20111	CC1222	RESIDU	0.	-0.002	0.	0.002	0.21	-2.	-1.	-0.	-0.	1.	-0.	0.13	-0.	0.	148.	-0.
20111	CC1222	RESIDU	0.	-0.010	0.	0.010	0.38	-7.	-4.	-1.	-1.	7.	-0.	0.22	3.	1.	72.	-1.
20111	CC0822	RESIDU	0.	-0.002	0.	0.002	0.22	-2.	-1.	-0.	-0.	2.	-0.	0.13	-0.	0.	154.	-0.
20111	CC0822	RESIDU	0.	-0.008	0.	0.009	0.39	-6.	-3.	-1.	-1.	6.	-0.	0.23	2.	1.	75.	-0.
20111	STIG15	RESIDU	0.	-0.004	0.	0.001	0.07	-2.	-1.	-0.	-1.	1.	0.	0.00	-0.	0.	167.	-0.
20111	STIG15	RESIDU	0.	-0.382	0.	0.080	0.17	-231.	-153.	-11.	-85.	88.	1.	0.01	102.	43.	65.	-13.
20111	STIG10	RESIDU	0.	-0.003	0.	0.001	0.10	-2.	-1.	-0.	-1.	1.	0.	0.03	-0.	0.	154.	-0.
20111	STIG10	RESIDU	0.	-0.032	0.	0.011	0.22	-21.	-13.	-1.	-7.	10.	0.	0.06	8.	4.	73.	-1.
20111	STIG1S	RESIDU	0.	-0.003	0.	0.001	0.12	-2.	-1.	-0.	-1.	1.	0.	0.04	-0.	0.	148.	-0.
20111	STIG1S	RESIDU	0.	-0.018	0.	0.007	0.23	-12.	-7.	-0.	-4.	6.	0.	0.07	4.	2.	74.	-1.
20111	DEADV3	RESIDU	0.	-0.002	0.	0.002	0.20	-3.	-1.	-0.	-2.	1.	-0.	-0.03	-1.	0.	212.	-0.
20111	DEADV3	RESIDU	0.	-0.009	0.	0.008	0.36	-12.	-4.	-1.	-7.	6.	-0.	-0.06	1.	1.	101.	-1.
20111	DEHTPM	RESIDU	0.	-0.002	0.	0.003	0.24	-3.	-1.	-0.	-2.	2.	-0.	0.00	-1.	0.	209.	-0.
20111	DEHTPM	RESIDU	0.	-0.006	0.	0.008	0.40	-9.	-2.	-1.	-5.	5.	-0.	0.01	0.	1.	106.	-1.
20111	DES0A3	DISTIL	-0.002	0.	-0.002	0.004	0.19	-7.	1.	0.	-5.	3.	-0.	-0.35	-0.	0.	154.	-0.
20111	DES0A3	DISTIL	-0.010	0.	-0.010	0.018	0.33	-30.	-0.	0.	-24.	9.	0.	-0.74	1.	1.	106.	-1.
20111	DES0A3	RESIDU	-0.002	0.	-0.002	0.004	0.19	-15.	-1.	-0.	-14.	1.	0.	-1.77	-0.	0.	149.	-0.
20111	DES0A3	RESIDU	-0.010	0.	-0.010	0.018	0.33	-64.	-4.	-0.	-58.	6.	1.	-2.60	1.	1.	102.	-1.
20111	GTS0AD	DISTIL	-0.002	0.	-0.002	0.004	0.22	-1.	-0.	0.	0.	2.	0.	0.47	0.	0.	119.	-0.
20111	GTS0AD	DISTIL	-0.005	0.	-0.005	0.010	0.32	-2.	-1.	0.	1.	4.	0.	0.56	2.	0.	63.	-0.
20111	GTRA08	DISTIL	0.	-0.002	0.	0.002	0.21	-0.	0.	0.	1.	3.	1.	0.46	-0.	0.	158.	-0.
20111	GTRA08	DISTIL	0.	-0.007	0.	0.007	0.36	-3.	-1.	0.	2.	7.	1.	0.51	2.	1.	84.	-0.
20111	GTRA12	DISTIL	0.	-0.002	0.	0.002	0.21	-0.	0.	0.	1.	3.	1.	0.47	-0.	0.	152.	-0.
20111	GTRA12	DISTIL	0.	-0.007	0.	0.008	0.36	-3.	-1.	0.	2.	7.	1.	0.51	2.	1.	83.	-0.
20111	GTRA16	DISTIL	0.	-0.002	0.	0.002	0.21	-0.	0.	0.	1.	3.	1.	0.46	-0.	0.	158.	-0.
20111	GTRA16	DISTIL	0.	-0.007	0.	0.007	0.36	-3.	-1.	0.	1.	7.	1.	0.51	1.	1.	88.	-0.
20111	GTR208	DISTIL	0.	-0.002	0.	0.002	0.21	-1.	0.	0.	1.	3.	1.	0.46	-0.	0.	143.	-0.
20111	GTR208	DISTIL	0.	-0.006	0.	0.006	0.34	-3.	-1.	0.	1.	6.	1.	0.49	2.	1.	79.	-0.
20111	GTR212	DISTIL	0.	-0.002	0.	0.002	0.21	-1.	0.	0.	1.	3.	1.	0.46	-0.	0.	148.	-0.
20111	GTR212	DISTIL	0.	-0.006	0.	0.006	0.34	-3.	-1.	0.	1.	6.	1.	0.49	2.	1.	82.	-0.
20111	GTR216	DISTIL	0.	-0.002	0.	0.002	0.22	-0.	0.	0.	1.	3.	1.	0.46	-0.	0.	150.	-0.
20111	GTR216	DISTIL	0.	-0.006	0.	0.007	0.35	-3.	-1.	0.	1.	6.	1.	0.50	1.	1.	83.	-0.
20111	GTRW08	DISTIL	0.	-0.003	0.	0.002	0.18	-1.	-0.	0.	1.	3.	1.	0.44	-0.	0.	166.	-0.
20111	GTRW08	DISTIL	0.	-0.010	0.	0.008	0.31	-4.	-2.	0.	1.	8.	1.	0.48	2.	1.	88.	-1.
20111	GTRW12	DISTIL	0.	-0.002	0.	0.002	0.19	-0.	0.	0.	1.	3.	1.	0.45	-0.	0.	165.	-0.
20111	GTRW12	DISTIL	0.	-0.010	0.	0.008	0.33	-4.	-2.	0.	2.	8.	1.	0.49	2.	1.	86.	-1.
20111	GTRW16	DISTIL	0.	-0.002	0.	0.002	0.19	-1.	0.	0.	1.	3.	1.	0.45	-1.	0.	170.	-0.
20111	GTRW16	DISTIL	0.	-0.010	0.	0.008	0.33	-4.	-2.	0.	1.	8.	1.	0.49	2.	1.	90.	-1.
20111	GTR308	DISTIL	0.	-0.003	0.	0.002	0.17	-1.	-0.	0.	1.	3.	1.	0.43	-0.	0.	152.	-0.
20111	GTR308	DISTIL	0.	-0.008	0.	0.005	0.28	-4.	-2.	0.	1.	6.	1.	0.45	2.	1.	84.	-0.
20111	GTR312	DISTIL	0.	-0.002	0.	0.002	0.19	-1.	0.	0.	1.	3.	1.	0.45	-0.	0.	155.	-0.
20111	GTR312	DISTIL	0.	-0.009	0.	0.007	0.32	-4.	-2.	0.	1.	7.	1.	0.48	2.	1.	83.	-1.

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION

TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS SAVINGS-----				CAPITL--ELECTRIC POWER---								
		*****DIRECT*****		-----TOTAL-----		FESR		DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART								
20111	GTR316	DISTIL	0.	-0.002	0.	0.002	0.19	-1.	0.	0.	1.	3.	1.	0.45	-0.	0.	162.	-0.
20111	GTR316	DISTIL	0.	-0.009	0.	0.007	0.32	-4.	-2.	0.	1.	7.	1.	0.48	2.	1.	87.	-1.
20111	FCPADS	DISTIL	0.	-0.002	0.	0.002	0.19	0.	1.	0.	2.	4.	1.	0.66	0.	0.	128.	-0.
20111	FCPADS	DISTIL	0.	-0.011	0.	0.009	0.35	-1.	2.	0.	5.	14.	2.	0.86	3.	1.	86.	-1.
20111	FCMCDS	DISTIL	0.	-0.002	0.	0.002	0.18	-2.	1.	0.	-0.	4.	1.	0.43	-0.	0.	138.	-0.
20111	FCMCDS	DISTIL	0.	-0.016	0.	0.012	0.36	-14.	2.	-0.	-5.	18.	2.	0.46	3.	2.	97.	-1.
20261	STM141	RESIDU	0.	-0.001	0.	0.001	0.24	-0.	-0.	-0.	0.	1.	0.	0.25	-0.	0.	139.	-0.
20261	STM141	COAL-F	0.	-0.001	0.	0.001	0.24	-0.	-1.	-0.	0.	0.	0.	0.17	-1.	0.	263.	-0.
20261	STM141	COAL-A	0.	-0.001	0.	0.001	0.24	0.	-1.	-0.	1.	0.	0.	0.52	-1.	0.	237.	-0.
20261	STM086	RESIDU	0.	-0.001	0.	0.001	0.19	-0.	-0.	-0.	0.	1.	0.	0.20	-0.	0.	130.	-0.
20261	STM088	COAL-F	0.	-0.001	0.	0.001	0.19	-0.	-1.	-0.	0.	0.	0.	0.12	-1.	0.	252.	-0.
20261	STM088	COAL-A	0.	-0.001	0.	0.001	0.19	0.	-1.	-0.	1.	0.	0.	0.26	-1.	0.	234.	-0.
20261	PFBSTM	COAL-P	0.	-0.001	0.	0.002	0.32	1.	-1.	0.	2.	0.	0.	0.48	-2.	0.	374.	-1.
20261	PFBSTM	COAL-P	0.	-0.001	0.	0.002	0.33	1.	-1.	0.	2.	1.	0.	0.49	-2.	0.	306.	-0.
20261	TISTMT	RESIDU	0.	-0.001	0.	0.002	0.32	-0.	-0.	-0.	1.	1.	0.	0.34	-4.	0.	511.	-1.
20261	TISTMT	RESIDU	0.	-0.002	0.	0.002	0.37	-1.	-1.	-0.	1.	2.	0.	0.39	-5.	0.	429.	-1.
20261	TISTMT	COAL	0.	-0.001	0.	0.002	0.32	-0.	-1.	-0.	1.	0.	0.	0.25	-6.	0.	737.	-1.
20261	TISTMT	COAL	0.	-0.002	0.	0.002	0.37	-1.	-1.	-0.	1.	1.	0.	0.30	-7.	0.	572.	-1.
20261	TIHRS6	RESIDU	0.	-0.001	0.	0.001	0.14	-0.	-0.	-0.	0.	1.	0.	0.15	-4.	0.	476.	-1.
20261	TIHRS6	COAL	0.	-0.001	0.	0.001	0.14	-0.	-1.	-0.	0.	-0.	0.	0.07	-6.	0.	637.	-1.
20261	STIRL	DISTIL	0.	-0.001	0.	0.002	0.27	-0.	-0.	0.	1.	2.	0.	0.57	0.	0.	110.	-0.
20261	STIRL	DISTIL	0.	-0.002	0.	0.003	0.33	-0.	-0.	0.	1.	2.	0.	0.61	1.	0.	60.	-0.
20261	STIRL	RESIDU	0.	-0.001	0.	0.002	0.27	-0.	-1.	-0.	0.	1.	-0.	0.27	0.	0.	106.	-0.
20261	STIRL	RESIDU	0.	-0.002	0.	0.003	0.33	-1.	-1.	-0.	1.	2.	-0.	0.34	1.	0.	56.	-0.
20261	STIRL	COAL	0.	-0.001	0.	0.002	0.27	-0.	-1.	-0.	0.	0.	0.	0.19	-1.	0.	303.	-0.
20261	STIRL	COAL	0.	-0.002	0.	0.003	0.33	-1.	-2.	-0.	1.	1.	0.	0.27	-0.	0.	146.	-0.
20261	HEGT85	COAL-A	0.	-0.002	0.	0.001	0.25	0.	-1.	-0.	1.	0.	0.	0.32	-5.	0.	621.	-1.
20261	HEGT85	COAL-A	0.	-0.003	0.	0.003	0.32	-0.	-2.	-0.	2.	1.	0.	0.38	-7.	0.	400.	-1.
20261	HEGT60	COAL-A	0.	-0.002	0.	0.001	0.16	0.	-2.	-0.	1.	-0.	0.	0.24	-5.	0.	613.	-1.
20261	HEGT60	COAL-A	0.	-0.003	0.	0.002	0.20	-0.	-3.	-0.	1.	0.	0.	0.27	-6.	0.	420.	-1.
20261	HEGT00	COAL-A	0.	-0.002	0.	0.001	0.13	0.	-2.	-0.	1.	-0.	0.	0.19	-4.	0.	428.	-1.
20261	FCMCCL	COAL	0.	-0.001	0.	0.002	0.28	1.	0.	0.	2.	2.	0.	0.80	-4.	0.	520.	-1.
20261	FCMCCL	COAL	0.	-0.002	0.	0.002	0.34	1.	1.	0.	2.	4.	1.	1.00	-4.	0.	342.	-1.
20261	FCSTCL	COAL	0.	-0.001	0.	0.002	0.29	0.	0.	0.	1.	2.	0.	0.66	-4.	0.	537.	-1.
20261	FCSTCL	COAL	0.	-0.004	0.	0.005	0.42	1.	1.	0.	4.	6.	1.	1.00	-5.	0.	270.	-1.
20261	IGGTST	COAL	0.	-0.002	0.	0.001	0.24	-1.	-1.	0.	0.	0.	0.	0.18	-5.	0.	593.	-1.
20261	IGGTST	COAL	0.	-0.003	0.	0.003	0.31	-1.	-2.	0.	1.	1.	1.	0.28	-5.	0.	345.	-1.
20261	GTSCAR	RESIDU	-0.002	0.	-0.002	0.003	0.25	-1.	-1.	-0.	0.	1.	0.	0.37	-0.	0.	152.	-0.
20261	GTSCAR	RESIDU	-0.002	0.	-0.002	0.005	0.31	-1.	-1.	-0.	1.	2.	0.	0.43	0.	0.	95.	-0.
20261	GTAC08	RESIDU	0.	-0.001	0.	0.002	0.27	-1.	-1.	-0.	-0.	1.	-0.	0.10	0.	0.	118.	-0.
20261	GTAC08	RESIDU	0.	-0.002	0.	0.002	0.31	-2.	-1.	-0.	-1.	1.	-0.	0.12	1.	0.	73.	-0.
20261	GTAC12	RESIDU	0.	-0.001	0.	0.002	0.28	-1.	-1.	-0.	-0.	1.	-0.	0.13	0.	0.	123.	-0.
20261	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.34	-2.	-1.	-0.	-0.	2.	-0.	0.16	1.	0.	71.	-0.
20261	GTAC16	RESIDU	0.	-0.001	0.	0.002	0.28	-1.	-1.	-0.	-0.	1.	-0.	0.14	0.	0.	130.	-0.
20261	GTAC16	RESIDU	0.	-0.002	0.	0.003	0.35	-2.	-1.	-0.	-0.	2.	-0.	0.18	1.	0.	75.	-0.
20261	GTWC16	RESIDU	0.	-0.002	0.	0.001	0.24	-1.	-1.	-0.	-0.	1.	-0.	0.10	-0.	0.	152.	-0.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
			*****DIRECT*****				*****TOTAL*****				*****TOTAL*****			
			FUEL	GIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EMSR SAVING
														TOTAL COST LAEC
														EXPORT SAVED
20261	GTWC16	RESIDU	0.	-0.003	0.	0.003	0.31	-2.	-1.	-0	-1.	2.	-0.0.13	0.
20261	CC1626	RESIDU	0.	-0.002	0.	0.001	0.24	-1.	-1.	-0.	-0.	1.	-0.0.14	-0.
20261	CC1626	RESIDU	0.	-0.005	0.	0.005	0.37	-4.	-2.	-0.	-1.	3.	-0.0.21	1.
20261	CC1622	RESIDU	0.	-0.001	0.	0.001	0.26	-1.	-1.	-0.	-0.	1.	-0.0.15	-0.
20261	CC1622	RESIDU	0.	-0.005	0.	0.005	0.38	-3.	-2.	-0.	-1.	3.	-0.0.22	1.
20261	CC1222	RESIDU	0.	-0.001	0.	0.001	0.26	-1.	-1.	-0.	-0.	1.	-0.0.15	-0.
20261	CC1222	RESIDU	0.	-0.005	0.	0.005	0.38	-3.	-2.	-0.	-1.	3.	-0.0.22	1.
20261	CC0822	RESIDU	0.	-0.001	0.	0.002	0.28	-1.	-1.	-0.	-0.	1.	-0.0.16	-0.
20261	CC0822	RESIDU	0.	-0.003	0.	0.004	0.39	-3.	-1.	-0.	-0.	3.	-0.0.23	1.
20261	STIG15	RESIDU	0.	-0.002	0.	0.001	0.09	-1.	-1.	-0.	-1.	1.	0.0.01	-0.
20261	STIG15	RESIDU	0.	-0.175	0.	0.037	0.17	-106.	-70.	-5.	-39.	40.	0.0.01	47.
20261	STIG10	RESIDU	0.	-0.002	0.	0.001	0.13	-1.	-1.	-0.	-0.	1.	0.0.04	-0.
20261	STIG10	RESIDU	0.	-0.015	0.	0.005	0.22	-10.	-6.	-0.	-3.	4.	0.0.06	3.
20261	STIG1S	RESIDU	0.	-0.002	0.	0.001	0.15	-1.	-1.	-0.	-1.	1.	0.0.04	-0.
20261	STIG1S	RESIDU	0.	-0.008	0.	0.003	0.23	-6.	-3.	-0.	-2.	3.	0.0.07	1.
20261	DEADV3	RESIDU	0.	-0.001	0.	0.001	0.26	-2.	-1.	-0.	-1.	1.	-0.0.03	-1.
20261	DEADV3	RESIDU	0.	-0.004	0.	0.004	0.37	-5.	-2.	-0.	-3.	3.	-0.0.04	-1.
20261	DEHTPM	RESIDU	0.	-0.001	0.	0.002	0.30	-2.	-0.	-0.	-1.	1.	-0.0.00	-1.
20261	DEHTPM	RESIDU	0.	-0.003	0.	0.003	0.40	-4.	-1.	-0.	-2.	2.	-0.0.01	-1.
20261	DESOA3	DISTIL	-0.002	0.	-0.002	0.003	0.24	-5.	0.	0.	-4.	2.	0.0.48	-0.
20261	DESOA3	DISTIL	-0.004	0.	-0.004	0.008	0.35	-13.	-0.	0.	-10.	4.	0.0.72	1.
20261	DESOA3	RESIDU	-0.002	0.	-0.002	0.003	0.24	-10.	-1.	-0.	-9.	1.	0.0.24	-0.
20261	DESOA3	RESIDU	-0.004	0.	-0.004	0.008	0.35	-27.	-2.	-0.	-25.	3.	0.0.56	1.
20261	GTSOAD	DISTIL	-0.001	0.	-0.001	0.003	0.27	-1.	-0.	0.	0.	1.	0.0.52	0.
20261	GTSOAD	DISTIL	-0.002	0.	-0.002	0.004	0.32	-1.	-0.	0.	1.	2.	0.0.56	1.
20261	GTRA08	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.0.48	-0.
20261	GTRA08	DISTIL	0.	-0.003	0.	0.003	0.36	-2.	-1.	0.	1.	3.	1.0.51	0.
20261	GTRA12	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.0.48	-0.
20261	GTRA12	DISTIL	0.	-0.003	0.	0.003	0.36	-1.	-1.	0.	1.	3.	1.0.51	0.
20261	GTRA16	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.0.48	-0.
20261	GTRA16	DISTIL	0.	-0.003	0.	0.003	0.36	-1.	-1.	0.	1.	3.	1.0.51	0.
20261	GTR208	DISTIL	0.	-0.001	0.	0.001	0.26	-1.	-0.	0.	0.	2.	0.0.47	-0.
20261	GTR208	DISTIL	0.	-0.003	0.	0.003	0.34	-1.	-0.	0.	1.	3.	0.0.49	0.
20261	GTR212	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	0.	2.	0.0.47	-0.
20261	GTR212	DISTIL	0.	-0.003	0.	0.003	0.34	-1.	-0.	0.	1.	3.	0.0.49	0.
20261	GTR216	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	0.	2.	0.0.48	-0.
20261	GTR216	DISTIL	0.	-0.003	0.	0.003	0.35	-1.	-0.	0.	1.	3.	0.0.50	0.
20261	GTRW08	DISTIL	0.	-0.002	0.	0.001	0.22	-1.	-0.	0.	0.	2.	0.0.45	-0.
20261	GTRW08	DISTIL	0.	-0.005	0.	0.003	0.31	-2.	-1.	0.	1.	4.	1.0.48	0.
20261	GTRW12	DISTIL	0.	-0.002	0.	0.001	0.23	-0.	-0.	0.	0.	2.	0.0.46	-0.
20261	GTRW12	DISTIL	0.	-0.005	0.	0.004	0.33	-2.	-1.	0.	1.	4.	1.0.49	0.
20261	GTRW16	DISTIL	0.	-0.002	0.	0.001	0.23	-0.	-0.	0.	0.	2.	0.0.46	-1.
20261	GTRW16	DISTIL	0.	-0.004	0.	0.004	0.33	-2.	-1.	0.	1.	4.	1.0.49	0.
20261	GTR308	DISTIL	0.	-0.002	0.	0.001	0.21	-1.	-0.	0.	0.	2.	0.0.44	-0.
20261	GTR308	DISTIL	0.	-0.004	0.	0.003	0.28	-2.	-1.	0.	0.	3.	1.0.45	0.
20261	GTR312	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	-0.	0.	0.	2.	0.0.46	-0.

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		FESR		-----DIRECT-----		*****TOTAL*****		EMSR		SAVING		TOTAL		CUST LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART			EXPORT		SAVED			
																		M/H		
20261	GTR312	DISTIL	0.	-0.004	0.	0.003	0.32	-2.	-1.	0.	1.	3.	1.	0.48	0.	0.	98.	-0.		
20261	GTR316	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	-0.	0.	0.	2.	0.	0.46	-0.	0.	178.	-0.		
20261	GTR316	DISTIL	0.	-0.004	0.	0.003	0.32	-2.	-1.	0.	1.	3.	1.	0.48	0.	0.	104.	-0.		
20261	FCPADS	DISTIL	0.	-0.002	0.	0.001	0.25	0.	1.	0.	1.	2.	0.	0.72	0.	0.	121.	-0.		
20261	FCPADS	DISTIL	0.	-0.004	0.	0.004	0.36	-0.	1.	0.	2.	6.	1.	0.86	1.	1.	79.	-0.		
20261	FCMCDS	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	0.	0.	-0.	2.	0.	0.44	-0.	0.	138.	-0.		
20261	FCMCDS	DISTIL	0.	-0.007	0.	0.006	0.36	-7.	1.	-0.	-2.	8.	1.	0.46	1.	1.	95.	-1.		
20461	STM141	RESIDU	0.	-0.076	0.	0.125	0.18	-26.	-30.	-4.	38.	77.	5.	0.19	16.	0.	24.	3.		
20461	STM141	RESIDU	0.	-0.154	0.	0.255	0.28	-54.	-62.	-8.	76.	157.	10.	0.29	41.	20.	17.	5.		
20461	STM141	COAL-F	0.	-0.076	0.	0.125	0.18	-26.	-148.	-4.	42.	-23.	29.	0.08	-7.	0.	51.	8.		
20461	STM141	COAL-F	0.	-0.154	0.	0.255	0.28	-54.	-195.	-8.	81.	44.	37.	0.20	10.	20.	33.	10.		
20461	STM141	COAL-A	0.	-0.076	0.	0.125	0.18	100.	-148.	-4.	168.	-23.	29.	0.27	2.	0.	41.	9.		
20461	STM141	COAL-A	0.	-0.154	0.	0.255	0.28	89.	-195.	-8.	225.	44.	37.	0.37	27.	20.	22.	13.		
20461	STM088	RESIDU	0.	-0.076	0.	0.125	0.18	-26.	-30.	-4.	38.	77.	5.	0.19	20.	0.	18.	4.		
20461	STM088	RESIDU	0.	-0.121	0.	0.201	0.24	-43.	-49.	-6.	60.	124.	8.	0.26	33.	11.	16.	5.		
20461	STM088	COAL-F	0.	-0.076	0.	0.125	0.18	-26.	-148.	-4.	42.	-23.	29.	0.08	-6.	0.	50.	8.		
20461	STM088	COAL-F	0.	-0.121	0.	0.201	0.24	-43.	-175.	-6.	65.	17.	33.	0.15	4.	11.	36.	10.		
20461	STM088	COAL-A	0.	-0.076	0.	0.125	0.18	100.	-148.	-4.	168.	-23.	29.	0.27	3.	0.	39.	9.		
20461	STM088	COAL-A	0.	-0.121	0.	0.201	0.24	94.	-175.	-6.	201.	17.	33.	0.34	19.	11.	23.	12.		
20461	PFBSTM	COAL-P	0.	-0.077	0.	0.124	0.17	115.	-148.	5.	183.	-23.	37.	0.31	-7.	0.	54.	8.		
20461	PFBSTM	COAL-P	0.	-0.226	0.	0.366	0.33	124.	-238.	15.	318.	101.	70.	0.49	31.	37.	27.	12.		
20461	TISTMT	RESIDU	0.	-0.077	0.	0.123	0.17	-27.	-31.	-4.	37.	76.	5.	0.19	-24.	0.	74.	-2.		
20461	TISTMT	RESIDU	0.	-0.294	0.	0.469	0.37	-103.	-118.	-15.	140.	291.	19.	0.39	-42.	53.	56.	-9.		
20461	TISTMT	COAL	0.	-0.077	0.	0.123	0.17	-27.	-149.	-4.	41.	-24.	28.	0.07	-50.	0.	106.	2.		
20461	TISTMT	COAL	0.	-0.294	0.	0.469	0.37	-103.	-279.	-15.	146.	154.	51.	0.30	-81.	53.	64.	-2.		
20461	TIHRSG	RESIDU	0.	-0.092	0.	0.109	0.15	-32.	-37.	-5.	32.	70.	4.	0.17	-52.	0.	111.	-6.		
20461	TIHRSG	RESIDU	0.	-0.129	0.	0.152	0.19	-45.	-52.	-6.	44.	99.	5.	0.21	-65.	8.	103.	-8.		
20461	TIHRSG	COAL	0.	-0.092	0.	0.109	0.15	-32.	-158.	-5.	36.	-33.	28.	0.05	-87.	0.	152.	-3.		
20461	TIHRSG	COAL	0.	-0.129	0.	0.152	0.19	-45.	-180.	-6.	49.	-10.	31.	0.10	-98.	8.	128.	-4.		
20461	STIRL	DISTIL	0.	-0.109	0.	0.092	0.13	36.	30.	15.	105.	155.	47.	0.48	7.	0.	45.	-4.		
20461	STIRL	DISTIL	0.	-0.450	0.	0.381	0.28	-42.	-66.	9.	229.	404.	79.	0.58	41.	59.	39.	-11.		
20461	STIRL	RESIDU	0.	-0.109	0.	0.092	0.13	-38.	-43.	-12.	25.	63.	-4.	0.13	7.	0.	41.	1.		
20461	STIRL	RESIDU	0.	-0.450	0.	0.381	0.28	-158.	-180.	-48.	106.	261.	-17.	0.29	41.	59.	35.	-3.		
20461	STIRL	COAL	0.	-0.109	0.	0.092	0.13	-38.	-168.	-5.	30.	-42.	27.	0.02	-19.	0.	70.	6.		
20461	STIRL	COAL	0.	-0.450	0.	0.381	0.28	-158.	-372.	-23.	114.	97.	47.	0.21	-17.	59.	46.	3.		
20461	HEGT85	COAL-A	0.	-0.136	0.	0.065	0.09	82.	-184.	-7.	151.	-59.	26.	0.18	-36.	0.	94.	3.		
20461	HEGT85	COAL-A	0.	-1.088	0.	0.517	0.24	-111.	-755.	-54.	409.	138.	61.	0.31	-29.	132.	48.	-8.		
20461	HEGT60	COAL-A	0.	-0.137	0.	0.064	0.09	80.	-185.	-7.	148.	-60.	25.	0.18	-34.	0.	91.	3.		
20461	HEGT60	COAL-A	0.	-0.633	0.	0.293	0.20	-29.	-482.	-32.	273.	40.	44.	0.27	-29.	68.	52.	-2.		
20461	HEGT00	COAL-A	0.	-0.142	0.	0.058	0.08	74.	-188.	-7.	142.	-63.	25.	0.17	-31.	0.	88.	4.		
20461	HEGT00	COAL-A	0.	-0.327	0.	0.134	0.14	27.	-299.	-16.	179.	-31.	31.	0.20	-25.	24.	59.	2.		
20461	FCMCCL	COAL	0.	-0.093	0.	0.108	0.15	41.	-32.	5.	110.	93.	38.	0.38	-30.	0.	83.	4.		
20461	FCMCCL	COAL	0.	-0.403	0.	0.466	0.34	179.	204.	23.	462.	695.	95.	1.00	-4.	63.	43.	4.		
20461	FCSTCL	COAL	0.	-0.088	0.	0.112	0.16	23.	-62.	3.	92.	63.	35.	0.30	-27.	0.	79.	5.		
20461	FCSTCL	COAL	0.	-0.677	0.	0.857	0.42	178.	204.	23.	676.	1058.	134.	1.00	34.	125.	35.	6.		
20461	IGGTST	COAL	0.	-0.109	0.	0.092	0.13	-38.	-168.	4.	30.	-43.	36.	0.04	-24.	0.	75.	5.		

NEWELL PAGE PRINTING SYSTEM - 2119-02

DATE 06/06/79

GENERAL ELECTRIC COMPANY

PAGE 6

TSE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S***** - - EMISSIONS SAVING S - - -										CAPITL--ELECTRIC POWER---						
		ECS ****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		EMSR	SAVING	TOTAL	COST	LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART			EXPORT		SAVED	
MWH																		
20461	IGGTST	COAL	0.	-0.596	0.	0.503	0.31	-209.	-460.	20.	149.	156.	106.	0.28	18.	84.	36.	7
20461	GTSQAR	RESIDU	-0.103	0.	-0.103	0.201	0.14	-42.	-39.	-1.	22.	71.	11.	0.24	13.	0.	32.	2
20461	GTSQAR	RESIDU	-0.444	0.	-0.444	0.866	0.31	-183.	-167.	-4.	96.	307.	48.	0.43	69.	62.	26.	2
20461	GTAC08	RESIDU	0.	-0.095	0.	0.105	0.15	-93.	-38.	-11.	-29.	69.	-3.	0.06	15.	0.	28.	2
20461	GTAC08	RESIDU	0.	-0.343	0.	0.378	0.31	-334.	-137.	-40.	-104.	247.	-11.	0.12	65.	49.	22.	4
20461	GTAC12	RESIDU	0.	-0.093	0.	0.107	0.15	-85.	-37.	-10.	-21.	70.	-2.	0.07	14.	0.	28.	2
20461	GTAC12	RESIDU	0.	-0.409	0.	0.469	0.34	-373.	-163.	-45.	-94.	304.	-9.	0.16	76.	63.	23.	4
20461	GTAC16	RESIDU	0.	-0.094	0.	0.107	0.15	-82.	-38.	-10.	-19.	69.	-2.	0.08	13.	0.	29.	2
20461	GTAC16	RESIDU	0.	-0.457	0.	0.521	0.35	-402.	-183.	-49.	-91.	338.	-9.	0.18	78.	73.	25.	3
20461	GTWC16	RESIDU	0.	-0.107	0.	0.093	0.13	-88.	-43.	-11.	-25.	64.	-3.	0.06	14.	0.	32.	2
20461	GTWC16	RESIDU	0.	-0.567	0.	0.495	0.31	-468.	-227.	-57.	-131.	337.	-17.	0.13	94.	81.	25.	2
20461	CC1626	RESIDU	0.	-0.106	0.	0.095	0.13	-77.	-42.	-10.	-13.	64.	-2.	0.08	13.	0.	32.	2
20461	CC1626	RESIDU	0.	-1.008	0.	0.898	0.37	-733.	-403.	-91.	-127.	609.	-18.	0.21	161.	160.	26.	-0
20461	CC1622	RESIDU	0.	-0.102	0.	0.099	0.14	-76.	-41.	-9.	-12.	66.	-2.	0.08	13.	0.	31.	2
20461	CC1622	RESIDU	0.	-0.871	0.	0.848	0.38	-651.	-348.	-80.	-104.	566.	-13.	0.22	139.	142.	26.	1
20461	CC1222	RESIDU	0.	-0.101	0.	0.100	0.14	-75.	-40.	-9.	-12.	66.	-1.	0.08	14.	0.	31.	2
20461	CC1222	RESIDU	0.	-0.862	0.	0.855	0.38	-645.	-345.	-80.	-99.	568.	-12.	0.22	143.	142.	25.	1
20461	CC0822	RESIDU	0.	-0.094	0.	0.107	0.15	-75.	-38.	-9.	-11.	69.	-1.	0.09	14.	0.	29.	2
20461	CC0822	RESIDU	0.	-0.650	0.	0.738	0.39	-518.	-260.	-63.	-76.	480.	-7.	0.23	119.	111.	23.	4
20461	STIG15	RESIDU	0.	-0.166	0.	0.035	0.05	-100.	-66.	-5.	-37.	38.	0.	0.00	10.	0.	47.	-1
20461	STIG15	RESIDU	0.	-32.945	0.	6.889	0.17	-19895.	-13178.	-978.	-7326.	7619.	62.	0.01	3180.	3717.	38.	-548
20461	STIG10	RESIDU	0.	-0.151	0.	0.050	0.07	-97.	-60.	-4.	-34.	45.	2.	0.02	11.	0.	43.	-0
20461	STIG10	RESIDU	0.	-2.771	0.	0.913	0.22	-1790.	-1108.	-73.	-626.	823.	34.	0.06	296.	327.	35.	-37
20461	STIG15	RESIDU	0.	-0.144	0.	0.057	0.08	-98.	-58.	-3.	-35.	48.	3.	0.02	14.	0.	38.	0
20461	STIG15	RESIDU	0.	-1.552	0.	0.610	0.23	-1059.	-621.	-36.	-375.	515.	30.	0.07	177.	184.	34.	-17
20461	DEADV3	RESIDU	0.	-0.121	0.	0.079	0.11	-146.	-49.	-11.	-83.	58.	-4.	-0.05	4.	0.	46.	0
20461	DEADV3	RESIDU	0.	-1.200	0.	0.785	0.31	-1447.	-480.	-105.	-818.	569.	-36.	-0.12	66.	167.	41.	-19
20461	DEHTPM	RESIDU	0.	-0.085	0.	0.116	0.16	-135.	-34.	-9.	-71.	73.	-0.	0.00	5.	0.	39.	1
20461	DEHTPM	RESIDU	0.	-0.478	0.	0.651	0.40	-761.	-191.	-50.	-401.	412.	-2.	0.01	43.	87.	34.	-1
20461	DESQA3	DISTIL	-0.132	0.	-0.132	0.201	0.10	-293.	88.	4.	-233.	178.	-10.	-0.15	-0.	0.	59.	-6
20461	DESQA3	DISTIL	-1.465	0.	-1.465	2.230	0.28	-3699.	-129.	4.	-2997.	1032.	57.	-0.82	22.	190.	54.	-49
20461	DESQA3	RESIDU	-0.132	0.	-0.132	0.201	0.10	-715.	-50.	-1.	-650.	60.	11.	-1.32	-0.	0.	54.	-1
20461	DESQA3	RESIDU	-1.465	0.	-1.465	2.230	0.28	-7949.	-552.	-12.	-7231.	668.	120.	-2.77	22.	190.	49.	-33
20461	GTSQAD	DISTIL	-0.097	0.	-0.097	0.201	0.15	-41.	-16.	0.	23.	91.	0.	0.38	15.	0.	31.	-3
20461	GTSQAD	DISTIL	-0.402	0.	-0.402	0.833	0.32	-170.	-65.	0.	95.	378.	33.	0.56	77.	59.	26.	-4
20461	GTRA08	DISTIL	0.	-0.100	0.	0.100	0.14	8.	32.	15.	76.	157.	48.	0.44	12.	0.	36.	-3
20461	GTRA08	DISTIL	0.	-0.643	0.	0.645	0.36	-283.	-120.	6.	136.	600.	103.	0.51	98.	102.	31.	-9
20461	GTRA12	DISTIL	0.	-0.099	0.	0.102	0.14	8.	33.	15.	77.	158.	48.	0.44	12.	0.	36.	-3
20461	GTRA12	DISTIL	0.	-0.630	0.	0.647	0.36	-278.	-117.	6.	137.	597.	102.	0.51	97.	101.	31.	-8
20461	GTRA16	DISTIL	0.	-0.099	0.	0.102	0.14	7.	33.	15.	76.	158.	48.	0.44	11.	0.	37.	-3
20461	GTRA16	DISTIL	0.	-0.594	0.	0.612	0.36	-263.	-107.	7.	129.	568.	99.	0.51	88.	94.	31.	-8
20461	GTR208	DISTIL	0.	-0.099	0.	0.101	0.14	4.	33.	15.	73.	158.	48.	0.44	13.	0.	35.	-3
20461	GTR208	DISTIL	0.	-0.504	0.	0.512	0.34	-227.	-81.	8.	103.	489.	89.	0.49	82.	76.	30.	-6
20461	GTR212	DISTIL	0.	-0.100	0.	0.100	0.14	5.	32.	15.	74.	157.	48.	0.44	13.	0.	35.	-3
20461	GTR212	DISTIL	0.	-0.546	0.	0.545	0.34	-244.	-93.	8.	111.	519.	93.	0.49	86.	83.	30.	-7
20461	GTR216	DISTIL	0.	-0.098	0.	0.102	0.14	6.	33.	15.	75.	158.	48.	0.44	12.	0.	36.	-3

NEWELL PAGE PRINTING SYSTEM - P1912-02

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GENERAL ELECTRIC COMPANY

PAGE 7

ISE PEO AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		EMSR SAVING		TOTAL COST LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	SAVED	
20461	GTR216	DISTIL	0.	-0.547	0.	0.568	0.35	-245.	-93.	8.	118.	532.	94.	0.50	86.
20461	GTRW08	DISTIL	0.	-0.117	0.	0.084	0.12	3.	28.	15.	72.	153.	47.	0.43	12.
20461	GTRW08	DISTIL	0.	-0.903	0.	0.649	0.31	-387.	-193.	2.	116.	670.	114.	0.48	126.
20461	GTRW12	DISTIL	0.	-0.112	0.	0.088	0.12	6.	29.	15.	74.	154.	47.	0.43	12.
20461	GTRW12	DISTIL	0.	-0.896	0.	0.705	0.33	-384.	-191.	2.	135.	699.	117.	0.49	130.
20461	GTRW16	DISTIL	0.	-0.112	0.	0.089	0.12	5.	29.	15.	74.	154.	47.	0.43	12.
20461	GTRW16	DISTIL	0.	-0.836	0.	0.668	0.33	-360.	-175.	3.	128.	663.	112.	0.49	119.
20461	GTR308	DISTIL	0.	-0.119	0.	0.081	0.11	-1.	27.	15.	67.	152.	47.	0.42	13.
20461	GTR308	DISTIL	0.	-0.693	0.	0.474	0.28	-303.	-135.	5.	77.	519.	95.	0.45	96.
20461	GTR312	DISTIL	0.	-0.111	0.	0.090	0.13	4.	29.	15.	72.	154.	47.	0.43	13.
20461	GTR312	DISTIL	0.	-0.742	0.	0.598	0.32	-322.	-148.	4.	113.	600.	104.	0.48	111.
20461	GTR316	DISTIL	0.	-0.112	0.	0.089	0.12	4.	29.	15.	72.	154.	47.	0.43	13.
20461	GTR316	DISTIL	0.	-0.735	0.	0.586	0.32	-319.	-146.	4.	109.	591.	103.	0.48	107.
20461	FCPADS	DISTIL	0.	-0.135	0.	0.065	0.09	36.	70.	17.	105.	195.	50.	0.55	3.
20461	FCPADS	DISTIL	0.	-2.047	0.	0.991	0.28	-320.	205.	26.	661.	1882.	226.	0.85	123.
20461	FCMCDS	DISTIL	0.	-0.113	0.	0.087	0.12	-46.	72.	15.	22.	197.	48.	0.42	1.
20461	FCMCDS	DISTIL	0.	-1.355	0.	1.048	0.36	-1230.	202.	-2.	-453.	1532.	160.	0.46	85.
20631	STM141	RESIDU	0.	-0.005	0.	0.009	0.10	-2.	-2.	-0.	3.	5.	0.	0.10	4.
20631	STM141	RESIDU	0.	-0.030	0.	0.049	0.31	-10.	-12.	-1.	15.	30.	2.	0.33	17.
20631	STM141	COAL-F	0.	-0.005	0.	0.009	0.10	-2.	-19.	-0.	3.	-9.	4.	-0.02	-11.
20631	STM141	COAL-F	0.	-0.030	0.	0.049	0.31	-10.	-33.	-1.	16.	12.	6.	0.24	4.
20631	STM141	COAL-A	0.	-0.005	0.	0.009	0.10	16.	-19.	-0.	21.	-9.	4.	0.20	-9.
20631	STM141	COAL-A	0.	-0.030	0.	0.049	0.31	13.	-33.	-1.	39.	12.	6.	0.40	12.
20631	STM088	RESIDU	0.	-0.005	0.	0.009	0.10	-2.	-2.	-0.	3.	5.	0.	0.10	4.
20631	STM088	RESIDU	0.	-0.024	0.	0.039	0.28	-8.	-9.	-1.	12.	24.	2.	0.30	14.
20631	STM088	COAL-F	0.	-0.005	0.	0.009	0.10	-2.	-19.	-0.	3.	-9.	4.	-0.02	-11.
20631	STM088	COAL-F	0.	-0.024	0.	0.039	0.28	-8.	-30.	-1.	12.	7.	6.	0.20	2.
20631	STM088	COAL-A	0.	-0.005	0.	0.009	0.10	16.	-19.	-0.	21.	-9.	4.	0.20	-9.
20631	STM088	COAL-A	0.	-0.024	0.	0.039	0.28	14.	-30.	-1.	34.	7.	6.	0.37	9.
20631	PFBSTM	COAL-P	0.	-0.005	0.	0.009	0.09	16.	-19.	-0.	21.	-9.	4.	0.20	-10.
20631	PFBSTM	COAL-P	0.	-0.044	0.	0.071	0.37	18.	-42.	2.	56.	23.	12.	0.52	8.
20631	TISTMT	RESIDU	0.	-0.005	0.	0.009	0.09	-2.	-2.	-0.	3.	5.	0.	0.10	-6.
20631	TISTMT	RESIDU	0.	-0.045	0.	0.071	0.37	-18.	-18.	-2.	21.	44.	3.	0.39	-29.
20631	TISTMT	COAL	0.	-0.005	0.	0.009	0.09	-2.	-19.	-0.	3.	-9.	4.	-0.02	-20.
20631	TISTMT	COAL	0.	-0.057	0.	0.091	0.40	-20.	-50.	-3.	28.	33.	9.	0.34	-54.
20631	TIHRSG	RESIDU	0.	-0.006	0.	0.008	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	-14.
20631	TIHRSG	RESIDU	0.	-0.020	0.	0.023	0.19	-7.	-8.	-1.	7.	15.	1.	0.21	-34.
20631	TIHRSG	COAL	0.	-0.006	0.	0.008	0.08	-2.	-19.	-0.	3.	-9.	4.	-0.04	-30.
20631	TIHRSG	COAL	0.	-0.025	0.	0.030	0.22	-9.	-31.	-1.	9.	2.	5.	0.14	-58.
20631	STIRL	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.
20631	STIRL	DISTIL	0.	-0.068	0.	0.058	0.28	-6.	-10.	1.	35.	61.	12.	0.58	15.
20631	STIRL	RESIDU	0.	-0.008	0.	0.006	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	2.
20631	STIRL	RESIDU	0.	-0.068	0.	0.058	0.28	-24.	-27.	-7.	16.	40.	-2.	0.29	15.
20631	STIRL	COAL	0.	-0.008	0.	0.006	0.07	-3.	-20.	-0.	2.	-10.	4.	-0.05	-11.
20631	STIRL	COAL	0.	-0.087	0.	0.074	0.31	-31.	-68.	-4.	22.	23.	8.	0.24	-7.
20631	HEGT85	COAL-A	0.	-0.010	0.	0.005	0.05	15.	-21.	-0.	21.	-11.	3.	0.16	-17.

NEWELL PAGE PRINTING SYSTEM - 8180-2

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MWH																		
20631	HEGT85	COAL-A	0.	-0.211	0.	0.100	0.26	-25.	-142.	-11.	75.	30.	11.	0.33	-38.	28.	114.	-13.
20631	HEGT60	COAL-A	0.	-0.010	0.	0.004	0.05	15.	-21.	-0.	21.	-11.	3.	0.16	-16.	0.	411.	-2.
20631	HEGT60	COAL-A	0.	-0.123	0.	0.057	0.22	-9.	-89.	-6.	49.	11.	8.	0.29	-30.	16.	125.	-8.
20631	HEGT00	COAL-A	0.	-0.010	0.	0.004	0.04	15.	-22.	-0.	20.	-12.	3.	0.15	-16.	0.	403.	-2.
20631	HEGT00	COAL-A	0.	-0.063	0.	0.026	0.16	2.	-54.	-3.	31.	-2.	5.	0.22	-21.	7.	143.	-4.
20631	FCMCCL	COAL	0.	-0.099	0.	0.069	0.28	27.	31.	3.	82.	125.	17.	1.00	-14.	14.	104.	-6.
20631	FCSTCL	COAL	0.	-0.153	0.	0.145	0.39	27.	31.	3.	123.	196.	24.	1.00	-0.	27.	81.	-7.
20631	IGGTST	COAL	0.	-0.137	0.	0.076	0.26	-48.	-98.	3.	21.	21.	19.	0.23	-2.	19.	85.	-5.
20631	GTSOAR	RESIDU	-0.007	0.	-0.007	0.014	0.07	-1.	-3.	-0.	4.	5.	1.	0.18	2.	0.	55.	-0.
20631	GTSOAR	RESIDU	-0.068	0.	-0.068	0.132	0.31	-25.	-25.	-1.	18.	47.	7.	0.44	24.	11.	41.	-1.
20631	GTAC08	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	44.	-0.
20631	GTAC08	RESIDU	0.	-0.052	0.	0.057	0.31	-45.	-21.	-5.	-11.	38.	-1.	0.15	22.	9.	36.	-1.
20631	GTAC12	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	43.	0.
20631	GTAC12	RESIDU	0.	-0.062	0.	0.071	0.34	-51.	-25.	-6.	-9.	46.	-1.	0.19	26.	11.	37.	-1.
20631	GTAC16	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	45.	-0.
20631	GTAC16	RESIDU	0.	-0.069	0.	0.079	0.35	-56.	-28.	-7.	-8.	51.	-1.	0.20	27.	13.	39.	-1.
20631	GTWC16	RESIDU	0.	-0.007	0.	0.007	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	3.	0.	53.	-0.
20631	GTWC16	RESIDU	0.	-0.086	0.	0.075	0.31	-66.	-34.	-8.	-14.	51.	-2.	0.16	31.	14.	40.	-1.
20631	CC1625	RESIDU	0.	-0.007	0.	0.007	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	3.	0.	56.	-0.
20631	CC1626	RESIDU	0.	-0.153	0.	0.136	0.37	-106.	-61.	-13.	-14.	93.	-2.	0.23	55.	26.	40.	-3.
20631	CC1622	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.08	3.	0.	50.	-0.
20631	CC1622	RESIDU	0.	-0.132	0.	0.129	0.38	-93.	-53.	-12.	-10.	86.	-1.	0.24	48.	23.	41.	-2.
20631	CC1222	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.08	3.	0.	48.	-0.
20631	CC1222	RESIDU	0.	-0.131	0.	0.130	0.38	-93.	-52.	-12.	-10.	86.	-1.	0.24	49.	23.	39.	-2.
20631	CC0822	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	50.	-0.
20631	CC0822	RESIDU	0.	-0.099	0.	0.112	0.39	-73.	-39.	-9.	-6.	73.	-1.	0.25	41.	18.	37.	-1.
20631	STIG15	RESIDU	0.	-0.012	0.	0.002	0.03	-4.	-5.	-1.	0.	3.	-0.	0.03	-0.	0.	113.	-1.
20631	STIG15	RESIDU	0.	-5.005	0.	1.047	0.17	-3017.	-2002.	-149.	-1108.	1158.	9.	0.01	1123.	566.	51.	-123.
20631	STIG10	RESIDU	0.	-0.011	0.	0.003	0.04	-4.	-4.	-1.	1.	3.	-0.	0.05	3.	0.	53.	-0.
20631	STIG10	RESIDU	0.	-0.421	0.	0.139	0.22	-267.	-168.	-12.	-90.	125.	5.	0.07	106.	51.	48.	-10.
20631	STIG15	RESIDU	0.	-0.010	0.	0.004	0.04	-4.	-4.	-1.	1.	3.	-0.	0.05	3.	0.	51.	-0.
20631	STIG15	RESIDU	0.	-0.236	0.	0.093	0.23	-156.	-94.	-6.	-52.	78.	4.	0.08	61.	29.	47.	-5.
20631	DEADV3	RESIDU	0.	-0.008	0.	0.006	0.06	-3.	-3.	-0.	1.	4.	0.	0.07	-0.	0.	108.	-1.
20631	DEADV3	RESIDU	0.	-0.182	0.	0.119	0.31	-207.	-73.	-15.	-111.	87.	-5.	-0.09	23.	27.	71.	-8.
20631	DEHTPM	RESIDU	0.	-0.006	0.	0.008	0.09	-2.	-2.	-0.	2.	5.	0.	0.10	-0.	0.	101.	-0.
20631	DEHTPM	RESIDU	0.	-0.073	0.	0.099	0.40	-103.	-29.	-7.	-48.	63.	0.	0.06	15.	15.	62.	-3.
20631	DESOA3	DISTIL	-0.009	0.	-0.009	0.014	0.05	6.	15.	1.	10.	20.	-2.	0.55	0.	0.	100.	-1.
20631	DESOA3	DISTIL	-0.223	0.	-0.223	0.339	0.28	-522.	-20.	1.	-415.	157.	9.	-0.71	7.	30.	91.	-14.
20631	DESOA3	RESIDU	-0.009	0.	-0.009	0.014	0.05	-1.	-3.	-0.	4.	4.	1.	0.16	0.	0.	95.	-0.
20631	DESOA3	RESIDU	-0.223	0.	-0.223	0.339	0.28	-1123.	-84.	-2.	-1014.	101.	18.	-2.54	7.	30.	86.	-12.
20631	GTSOAR	DISTIL	-0.007	0.	-0.007	0.014	0.08	-0.	-1.	0.	4.	6.	1.	0.33	3.	0.	44.	-1.
20631	GTSOAR	DISTIL	-0.061	0.	-0.061	0.127	0.32	-22.	-10.	0.	18.	58.	5.	0.58	26.	11.	38.	-2.
20631	GTRA08	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	61.	-1.
20631	GTRA08	DISTIL	0.	-0.098	0.	0.098	0.36	-39.	-18.	1.	24.	91.	16.	0.52	33.	17.	48.	-3.
20631	GTRA12	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	59.	-1.
20631	GTRA12	DISTIL	0.	-0.096	0.	0.098	0.36	-39.	-18.	1.	24.	91.	16.	0.53	34.	17.	46.	-3.

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

TIME 1990

LEVEL ALL

TYPE MATCH=POWER

FUEL UNITS =
EMISSION UNITS=
COST = \$*10**9

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS SAVINGS-----						CAPITL--ELECTRIC POWER---			
		ECS ****DIRECT*****	TOTAL	FESR	DIRECT	NOX	SOX	PART	NOX	SOX	PART	EMSR SAVING	TOTAL	COST	LAEC
		FUEL OIL+GAS	COAL OIL+GAS	COAL									EXPORT		SAVED
20631	GTRA16	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6. 0.45	2.	0.
20631	GTRA16	DISTIL	0.	-0.090	0.	0.093	0.36	-36.	-16.	1.	23.	86.	15. 0.52	30.	16.
20631	GTR208	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6. 0.45	2.	0.
20631	GTR208	DISTIL	0.	-0.077	0.	0.078	0.34	-31.	-12.	1.	19.	74.	14. 0.51	28.	13.
20631	GTR212	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6. 0.45	2.	0.
20631	GTR212	DISTIL	0.	-0.083	0.	0.083	0.34	-33.	-14.	1.	20.	79.	14. 0.51	30.	14.
20631	GTR216	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6. 0.45	2.	0.
20631	GTR216	DISTIL	0.	-0.083	0.	0.086	0.35	-34.	-14.	1.	22.	81.	14. 0.52	29.	15.
20631	GTRW08	DISTIL	0.	-0.008	0.	0.006	0.06	7.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTRW08	DISTIL	0.	-0.137	0.	0.099	0.31	-55.	-29.	0.	21.	102.	17. 0.49	43.	21.
20631	GTRW12	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTRW12	DISTIL	0.	-0.136	0.	0.107	0.33	-55.	-29.	0.	24.	106.	18. 0.50	45.	21.
20631	GTRW16	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTRW16	DISTIL	0.	-0.127	0.	0.101	0.33	-51.	-27.	0.	23.	101.	17. 0.50	41.	20.
20631	GTR308	DISTIL	0.	-0.008	0.	0.006	0.06	7.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTR308	DISTIL	0.	-0.105	0.	0.072	0.28	-42.	-20.	1.	15.	79.	14. 0.47	33.	15.
20631	GTR312	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTR312	DISTIL	0.	-0.113	0.	0.091	0.32	-45.	-23.	1.	21.	91.	16. 0.50	38.	18.
20631	GTR316	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6. 0.44	2.	0.
20631	GTR316	DISTIL	0.	-0.112	0.	0.089	0.32	-45.	-22.	1.	20.	90.	16. 0.49	37.	17.
20631	FCPADS	DISTIL	0.	-0.009	0.	0.005	0.05	7.	7.	2.	12.	17.	6. 0.43	1.	0.
20631	FCPADS	DISTIL	0.	-0.311	0.	0.151	0.28	-49.	25.	4.	100.	280.	34. 0.83	43.	42.
20631	FCMCDS	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	12.	17.	6. 0.44	1.	0.
20631	FCMCDS	DISTIL	0.	-0.206	0.	0.159	0.36	-176.	25.	-0.	-58.	227.	24. 0.48	30.	33.
20821	STM141	RESIDU	0.	-0.016	0.	0.027	0.24	-6.	-6.	-1.	8.	16.	1. 0.26	1.	0.
20821	STM141	RESIDU	0.	-0.020	0.	0.033	0.28	-7.	-8.	-1.	10.	21.	1. 0.29	3.	1.
20821	STM141	COAL-F	0.	-0.016	0.	0.027	0.24	-6.	-23.	-1.	9.	2.	4. 0.16	-5.	0.
20821	STM141	COAL-F	0.	-0.020	0.	0.033	0.28	-7.	-25.	-1.	11.	6.	5. 0.20	-3.	1.
20821	STM141	COAL-A	0.	-0.016	0.	0.027	0.24	12.	-23.	-1.	26.	2.	4. 0.34	-3.	0.
20821	STM141	COAL-A	0.	-0.020	0.	0.033	0.28	12.	-25.	-1.	29.	6.	5. 0.37	-0.	1.
20821	STM088	RESIDU	0.	-0.016	0.	0.026	0.24	-6.	-6.	-1.	8.	16.	1. 0.26	2.	0.
20821	STM088	COAL-F	0.	-0.016	0.	0.026	0.24	-6.	-23.	-1.	8.	2.	4. 0.15	-3.	0.
20821	STM088	COAL-A	0.	-0.016	0.	0.026	0.24	12.	-23.	-1.	26.	2.	4. 0.33	-1.	0.
20821	PFBSTM	COAL-P	0.	-0.016	0.	0.026	0.24	15.	-23.	1.	30.	2.	6. 0.39	-7.	0.
20821	PFBSTM	COAL-P	0.	-0.030	0.	0.048	0.33	16.	-31.	2.	42.	13.	9. 0.49	-3.	3.
20821	TISTMT	RESIDU	0.	-0.016	0.	0.026	0.24	-6.	-7.	-1.	8.	16.	1. 0.26	-11.	0.
20821	TISTMT	RESIDU	0.	-0.038	0.	0.061	0.37	-13.	-15.	-2.	18.	38.	2. 0.39	-18.	5.
20821	TISTMT	COAL	0.	-0.016	0.	0.026	0.24	-6.	-23.	-1.	8.	2.	4. 0.15	-20.	0.
20821	TISTMT	COAL	0.	-0.038	0.	0.061	0.37	-13.	-36.	-2.	19.	20.	7. 0.30	-27.	5.
20821	TIHRSG	RESIDU	0.	-0.017	0.	0.020	0.18	-6.	-7.	-1.	6.	13.	1. 0.20	-18.	0.
20821	TIHRSG	COAL	0.	-0.017	0.	0.020	0.18	-6.	-23.	-1.	6.	-1.	4. 0.09	-26.	0.
20821	STIRL	DISTIL	0.	-0.020	0.	0.022	0.20	3.	2.	2.	18.	27.	7. 0.53	1.	0.
20821	STIRL	DISTIL	0.	-0.058	0.	0.065	0.34	-5.	-9.	1.	35.	61.	11. 0.62	7.	8.
20821	STIRL	RESIDU	0.	-0.020	0.	0.022	0.20	-7.	-8.	-2.	6.	15.	-0. 0.21	1.	0.
20821	STIRL	RESIDU	0.	-0.058	0.	0.065	0.34	-20.	-23.	-6.	19.	42.	-1. 0.35	7.	8.
20821	STIRL	COAL	0.	-0.020	0.	0.022	0.20	-7.	-25.	-1.	7.	-0.	4. 0.11	-6.	0.

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DATE 06/08/79

GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		ECS	****DIRECT****	*****TOTAL*****	-----FESR-----	-----DIRECT-----	*****TOTAL*****	*****TOTAL*****	*****TOTAL*****	EMSR	SAVING	TOTAL	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
20821	STIRL	COAL	0.	-0.058	0.	0.065	0.34	-20.	-48.	-3.	20.	21.	7. 0.28
20821	HEGT85	COAL-A	0.	-0.021	0.	0.021	0.20	10.	-26.	-1.	24.	-1.	4. 0.28
20821	HEGT85	COAL-A	0.	-0.066	0.	0.067	0.34	-1.	-53.	-3.	43.	22.	7. 0.39
20821	HEGT60	COAL-A	0.	-0.029	0.	0.013	0.12	8.	-31.	-1.	22.	-6.	4. 0.21
20821	HEGT60	COAL-A	0.	-0.083	0.	0.038	0.20	-4.	-63.	-4.	36.	5.	6. 0.27
20821	HEGT00	COAL-A	0.	-0.030	0.	0.012	0.11	7.	-31.	-2.	21.	-6.	4. 0.19
20821	HEGT00	COAL-A	0.	-0.043	0.	0.018	0.14	4.	-39.	-2.	23.	-4.	4. 0.20
20821	FCMCCL	COAL	0.	-0.020	0.	0.023	0.21	9.	2.	1.	23.	27.	6. 0.57
20821	FCMCCL	COAL	0.	-0.053	0.	0.061	0.34	23.	27.	3.	60.	91.	12. 1.00
20821	FCSTCL	COAL	0.	-0.019	0.	0.024	0.22	5.	-5.	1.	19.	20.	6. 0.46
20821	FCSTCL	COAL	0.	-0.088	0.	0.112	0.42	23.	27.	3.	88.	138.	17. 1.00
20821	IGGTST	COAL	0.	-0.023	0.	0.019	0.18	-8.	-27.	1.	6.	-2.	6. 0.10
20821	IGGTST	COAL	0.	-0.078	0.	0.066	0.31	-27.	-60.	3.	19.	20.	14. 0.28
20821	GTSCAR	RESIDU	-0.022	0.	-0.022	0.043	0.19	-9.	-8.	-0.	5.	15.	2. 0.30
20821	GTSCAR	RESIDU	-0.058	0.	-0.058	0.113	0.31	-24.	-22.	-0.	13.	40.	6. 0.43
20821	GTAC08	RESIDU	0.	-0.020	0.	0.022	0.20	-20.	-8.	-2.	-6.	15.	-1. 0.08
20821	GTAC08	RESIDU	0.	-0.045	0.	0.049	0.31	-44.	-18.	-5.	-14.	32.	-1. 0.12
20821	GTAC12	RESIDU	0.	-0.020	0.	0.023	0.21	-18.	-8.	-2.	-5.	15.	-0. 0.10
20821	GTAC12	RESIDU	0.	-0.053	0.	0.061	0.34	-49.	-21.	-6.	-12.	40.	-1. 0.16
20821	GTAC16	RESIDU	0.	-0.020	0.	0.023	0.21	-17.	-8.	-2.	-4.	15.	-0. 0.11
20821	GTAC16	RESIDU	0.	-0.060	0.	0.068	0.35	-52.	-24.	-6.	-12.	44.	-1. 0.18
20821	GTWC16	RESIDU	0.	-0.023	0.	0.020	0.18	-19.	-9.	-2.	-5.	13.	-1. 0.08
20821	GTWC16	RESIDU	0.	-0.074	0.	0.065	0.31	-61.	-30.	-7.	-17.	44.	-2. 0.13
20821	CC1626	RESIDU	0.	-0.022	0.	0.020	0.18	-16.	-9.	-2.	-3.	14.	-0. 0.11
20821	CC1626	RESIDU	0.	-0.132	0.	0.117	0.37	-96.	-53.	-12.	-17.	79.	-2. 0.21
20821	CC1622	RESIDU	0.	-0.022	0.	0.021	0.19	-16.	-9.	-2.	-3.	14.	-0. 0.11
20821	CC1622	RESIDU	0.	-0.114	0.	0.111	0.38	-85.	-45.	-10.	-14.	74.	-2. 0.22
20821	CC1222	RESIDU	0.	-0.021	0.	0.021	0.19	-16.	-9.	-2.	-2.	14.	-0. 0.12
20821	CC1222	RESIDU	0.	-0.113	0.	0.112	0.38	-84.	-45.	-10.	-13.	74.	-2. 0.22
20821	CC0822	RESIDU	0.	-0.020	0.	0.023	0.21	-16.	-8.	-2.	-2.	15.	-0. 0.12
20821	CC0822	RESIDU	0.	-0.085	0.	0.096	0.39	-68.	-34.	-8.	-10.	63.	-1. 0.23
20821	STIG15	RESIDU	0.	-0.035	0.	0.007	0.07	-21.	-14.	-1.	-8.	8.	0. 0.00
20821	STIG15	RESIDU	0.	-4.299	0.	0.899	0.17	-2596.	-1720.	-128.	-956.	994.	8. 0.01
20821	STIG10	RESIDU	0.	-0.032	0.	0.011	0.10	-21.	-13.	-1.	-7.	9.	0. 0.03
20821	STIG10	RESIDU	0.	-0.362	0.	0.119	0.22	-234.	-145.	-10.	-82.	107.	4. 0.06
20821	STIG15	RESIDU	0.	-0.031	0.	0.012	0.11	-21.	-12.	-1.	-7.	10.	1. 0.03
20821	STIG15	RESIDU	0.	-0.202	0.	0.080	0.23	-138.	-81.	-5.	-49.	67.	4. 0.07
20821	DEADV3	RESIDU	0.	-0.021	0.	0.022	0.20	-29.	-8.	-2.	-16.	14.	-0. -0.02
20821	DEADV3	RESIDU	0.	-0.085	0.	0.091	0.37	-121.	-34.	-8.	-65.	60.	-1. -0.03
20821	DEHTPM	RESIDU	0.	-0.018	0.	0.025	0.22	-29.	-7.	-2.	-15.	16.	-0. 0.00
20821	DEHTPM	RESIDU	0.	-0.062	0.	0.085	0.40	-99.	-25.	-7.	-52.	54.	-0. 0.01
20821	DES0A3	DISTIL	-0.021	0.	-0.021	0.043	0.19	-66.	11.	1.	-52.	31.	-0. -0.30
20821	DES0A3	DISTIL	-0.088	0.	-0.088	0.175	0.36	-288.	-0.	1.	-232.	91.	5. -0.70
20821	DES0A3	RESIDU	-0.021	0.	-0.021	0.043	0.19	-151.	-8.	-0.	-137.	15.	2. -1.65
20821	DES0A3	RESIDU	-0.088	0.	-0.088	0.175	0.36	-621.	-33.	-1.	-565.	62.	10. -2.52
20821	GTSCAD	DISTIL	-0.020	0.	-0.020	0.043	0.20	-9.	-3.	0.	5.	19.	2. 0.45

SYSTEM PAGE PRINTING SYSTEM - 0118-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 11

TSE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS SAVINGS-----				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING		TOTAL COST LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
													SAVED
20821	GTSOAD	DISTIL	-0.052	0.	-0.052	0.109	0.32	-22.	-9.	0.	12.	49.	4. 0.56
20821	GTRA08	DISTIL	0.	-0.021	0.	0.021	0.19	-3.	2.	2.	11.	27.	7. 0.46
20821	GTRA08	DISTIL	0.	-0.084	0.	0.084	0.36	-37.	-16.	1.	18.	78.	13. 0.51
20821	GTRA12	DISTIL	0.	-0.021	0.	0.022	0.20	-3.	2.	2.	11.	27.	7. 0.46
20821	GTRA12	DISTIL	0.	-0.082	0.	0.084	0.36	-36.	-15.	1.	18.	78.	13. 0.51
20821	GTRA16	DISTIL	0.	-0.021	0.	0.022	0.20	-3.	2.	2.	11.	27.	7. 0.46
20821	GTRA16	DISTIL	0.	-0.078	0.	0.080	0.36	-34.	-14.	1.	17.	74.	13. 0.51
20821	GTR208	DISTIL	0.	-0.021	0.	0.021	0.20	-4.	2.	2.	10.	27.	7. 0.45
20821	GTR208	DISTIL	0.	-0.066	0.	0.067	0.34	-30.	-11.	1.	14.	64.	12. 0.49
20821	GTR212	DISTIL	0.	-0.021	0.	0.021	0.19	-4.	2.	2.	10.	27.	7. 0.45
20821	GTR212	DISTIL	0.	-0.071	0.	0.071	0.34	-32.	-12.	1.	14.	68.	12. 0.49
20821	GTR216	DISTIL	0.	-0.021	0.	0.022	0.20	-4.	2.	2.	11.	27.	7. 0.46
20821	GTR216	DISTIL	0.	-0.071	0.	0.074	0.35	-32.	-12.	1.	15.	69.	12. 0.50
20821	GTRW08	DISTIL	0.	-0.025	0.	0.018	0.16	-4.	1.	2.	10.	26.	7. 0.44
20821	GTRW08	DISTIL	0.	-0.118	0.	0.085	0.31	-50.	-25.	0.	15.	87.	15. 0.48
20821	GTRW12	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	26.	7. 0.45
20821	GTRW12	DISTIL	0.	-0.117	0.	0.092	0.33	-50.	-25.	0.	18.	91.	15. 0.49
20821	GTRW16	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7. 0.45
20821	GTRW16	DISTIL	0.	-0.109	0.	0.087	0.33	-47.	-23.	0.	17.	87.	15. 0.49
20821	GTR308	DISTIL	0.	-0.025	0.	0.017	0.16	-5.	1.	2.	9.	26.	7. 0.43
20821	GTR308	DISTIL	0.	-0.090	0.	0.062	0.28	-40.	-18.	1.	10.	68.	12. 0.45
20821	GTR312	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7. 0.44
20821	GTR312	DISTIL	0.	-0.097	0.	0.078	0.32	-42.	-19.	1.	15.	78.	14. 0.48
20821	GTR316	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7. 0.44
20821	GTR316	DISTIL	0.	-0.096	0.	0.076	0.32	-42.	-19.	1.	14.	77.	13. 0.48
20821	FCPADS	DISTIL	0.	-0.021	0.	0.022	0.20	5.	12.	2.	19.	37.	8. 0.65
20821	FCPADS	DISTIL	0.	-0.092	0.	0.096	0.38	-8.	27.	3.	54.	132.	17. 0.87
20821	FCMCDS	DISTIL	0.	-0.024	0.	0.019	0.17	-15.	10.	2.	-1.	36.	7. 0.43
20821	FCMCDS	DISTIL	0.	-0.177	0.	0.137	0.36	-161.	26.	-0.	-59.	200.	21. 0.46
20	FCMCDS	DISTIL	-5.275	-87.761	-5.275	55.337	27.70	-62147.	-33568.	-2301.	-16311.	43882.	5090. 0.20
22601	STM141	RESIDU	0.	-0.016	0.	0.026	0.16	-5.	-6.	-1.	8.	16.	1. 0.18
22601	STM141	RESIDU	0.	-0.025	0.	0.041	0.23	-9.	-10.	-1.	12.	26.	2. 0.24
22601	STM141	COAL-F	0.	-0.016	0.	0.026	0.16	-5.	-33.	-1.	9.	-6.	6. 0.06
22601	STM141	COAL-F	0.	-0.025	0.	0.041	0.23	-9.	-38.	-1.	13.	2.	7. 0.14
22601	STM141	COAL-A	0.	-0.016	0.	0.026	0.16	23.	-33.	-1.	37.	-6.	6. 0.26
22601	STM141	COAL-A	0.	-0.025	0.	0.041	0.23	22.	-38.	-1.	44.	2.	7. 0.32
22601	STM088	RESIDU	0.	-0.016	0.	0.026	0.16	-5.	-6.	-1.	8.	16.	1. 0.18
22601	STM088	RESIDU	0.	-0.018	0.	0.030	0.18	-6.	-7.	-1.	9.	19.	1. 0.20
22601	STM088	COAL-F	0.	-0.016	0.	0.026	0.16	-5.	-33.	-1.	9.	-6.	6. 0.06
22601	STM088	COAL-F	0.	-0.018	0.	0.030	0.18	-6.	-34.	-1.	10.	-4.	7. 0.09
22601	STM088	COAL-A	0.	-0.016	0.	0.026	0.16	23.	-33.	-1.	37.	-6.	6. 0.26
22601	STM088	COAL-A	0.	-0.018	0.	0.030	0.18	22.	-34.	-1.	39.	-4.	7. 0.28
22601	PFBSTM	COAL-P	0.	-0.016	0.	0.025	0.16	26.	-33.	1.	41.	-7.	8. 0.30
22601	PFBSTM	COAL-P	0.	-0.041	0.	0.065	0.29	29.	-48.	3.	64.	14.	14. 0.46
22601	TISTMT	RESIDU	0.	-0.016	0.	0.025	0.16	-6.	-6.	-1.	8.	16.	1. 0.17
22601	TISTMT	RESIDU	0.	-0.055	0.	0.087	0.34	-19.	-22.	-3.	26.	54.	3. 0.36

NEWELL PAGE PRINTING SYSTEM - 8101-2

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

[]

EMISSION UNITS=

TIME 1990

LEVEL ALL

TYPE MATCH=POWER

COST = \$*10**9

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -												CAPITL--ELECTRIC POWER---		TOTAL EXPORT MWH	COST LAEC SAVED	
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX							PART
22601	TISTMT	COAL	0.	-0.016	0.	0.025	0.16	-6.	-33.	-1.	9.	-7.	6.	0.06	-25.	0.	204.	-2.
22601	TISTMT	COAL	0.	-0.055	0.	0.087	0.34	-19.	-56.	-3.	27.	25.	10.	0.27	-40.	9.	112.	-4.
22601	TIHRSG	RESIDU	0.	-0.022	0.	0.020	0.12	-8.	-9.	-1.	6.	13.	0.	0.14	-22.	0.	105.	-3.
22601	TIHRSG	RESIDU	0.	-0.035	0.	0.032	0.17	-12.	-14.	-2.	9.	21.	1.	0.19	-29.	2.	158.	-4.
22601	TIHRSG	COAL	0.	-0.022	0.	0.020	0.12	-8.	-36.	-1.	7.	-10.	6.	0.02	-34.	0.	264.	-3.
22601	TIHRSG	COAL	0.	-0.035	0.	0.032	0.17	-12.	-44.	-2.	10.	-4.	7.	0.08	-41.	2.	200.	-4.
22601	STIRL	DISTIL	0.	-0.023	0.	0.018	0.12	9.	7.	3.	23.	33.	11.	0.48	0.	0.	58.	-1.
22601	STIRL	DISTIL	0.	-0.093	0.	0.075	0.26	-8.	-12.	2.	48.	83.	17.	0.57	7.	12.	44.	-3.
22601	STIRL	RESIDU	0.	-0.023	0.	0.018	0.12	-8.	-9.	-2.	5.	13.	-1.	0.12	0.	0.	54.	-0.
22601	STIRL	RESIDU	0.	-0.093	0.	0.075	0.26	-33.	-37.	-10.	21.	52.	-4.	0.27	7.	12.	40.	-1.
22601	STIRL	COAL	0.	-0.023	0.	0.018	0.12	-8.	-37.	-1.	6.	-11.	6.	0.01	-10.	0.	115.	0.
22601	STIRL	COAL	0.	-0.093	0.	0.075	0.26	-33.	-79.	-5.	22.	17.	10.	0.19	-7.	12.	55.	0.
22601	HEGT85	COAL-A	0.	-0.034	0.	0.008	0.05	18.	-43.	-2.	33.	-17.	5.	0.15	-20.	0.	178.	-1.
22601	HEGT85	COAL-A	0.	-0.519	0.	0.118	0.16	-75.	-335.	-26.	131.	17.	16.	0.24	-44.	56.	66.	-12.
22601	HEGT60	COAL-A	0.	-0.032	0.	0.009	0.06	18.	-43.	-2.	32.	-16.	5.	0.15	-19.	0.	173.	-1.
22601	HEGT60	COAL-A	0.	-0.199	0.	0.056	0.15	-16.	-142.	-10.	66.	0.	10.	0.23	-30.	20.	77.	-5.
22601	HEGT00	COAL-A	0.	-0.031	0.	0.010	0.06	17.	-42.	-2.	31.	-16.	6.	0.15	-18.	0.	165.	-1.
22601	HEGT00	COAL-A	0.	-0.083	0.	0.026	0.12	4.	-73.	-4.	41.	-10.	7.	0.19	-19.	6.	92.	-2.
22601	FCMCCL	COAL	0.	-0.019	0.	0.022	0.14	8.	-9.	1.	23.	17.	8.	0.34	-17.	0.	156.	-1.
22601	FCMCCL	COAL	0.	-0.092	0.	0.106	0.34	40.	46.	5.	105.	158.	22.	1.00	-16.	15.	64.	-1.
22601	FCSTCL	COAL	0.	-0.018	0.	0.023	0.15	5.	-14.	1.	20.	12.	8.	0.28	-16.	0.	153.	-1.
22601	FCSTCL	COAL	0.	-0.136	0.	0.169	0.40	40.	46.	5.	139.	217.	28.	1.00	-13.	25.	53.	-2.
22601	IGGTST	COAL	0.	-0.023	0.	0.018	0.12	-8.	-37.	1.	6.	-11.	8.	0.02	-16.	0.	155.	-1.
22601	IGGTST	COAL	0.	-0.119	0.	0.094	0.29	-42.	-94.	5.	28.	25.	22.	0.25	-13.	18.	58.	-1.
22601	GTSQAR	RESIDU	-0.022	0.	-0.022	0.041	0.12	-9.	-8.	-0.	4.	14.	2.	0.22	0.	0.	51.	-0.
22601	GTSQAR	RESIDU	-0.113	0.	-0.113	0.207	0.29	-44.	-42.	-1.	22.	71.	11.	0.42	14.	16.	32.	-0.
22601	GTAC08	RESIDU	0.	-0.019	0.	0.022	0.14	-19.	-8.	-2.	-6.	14.	-1.	0.06	1.	0.	44.	0.
22601	GTAC08	RESIDU	0.	-0.076	0.	0.086	0.31	-75.	-30.	-9.	-23.	56.	-2.	0.12	12.	11.	27.	0.
22601	GTAC12	RESIDU	0.	-0.020	0.	0.022	0.14	-18.	-8.	-2.	-5.	14.	-0.	0.07	1.	0.	44.	0.
22601	GTAC12	RESIDU	0.	-0.096	0.	0.106	0.33	-87.	-38.	-10.	-22.	69.	-2.	0.15	15.	15.	28.	0.
22601	GTAC16	RESIDU	0.	-0.020	0.	0.021	0.14	-17.	-8.	-2.	-4.	14.	-0.	0.07	1.	0.	46.	0.
22601	GTAC16	RESIDU	0.	-0.110	0.	0.118	0.34	-95.	-44.	-12.	-23.	77.	-2.	0.17	16.	18.	29.	0.
22601	GTWC16	RESIDU	0.	-0.022	0.	0.019	0.12	-18.	-9.	-2.	-5.	13.	-1.	0.05	1.	0.	49.	-0.
22601	GTWC16	RESIDU	0.	-0.128	0.	0.112	0.32	-106.	-51.	-13.	-29.	76.	-4.	0.13	18.	19.	30.	-0.
22601	CC1626	RESIDU	0.	-0.022	0.	0.019	0.12	-16.	-9.	-2.	-3.	13.	-0.	0.07	1.	0.	52.	-0.
22601	CC1626	RESIDU	0.	-0.206	0.	0.178	0.36	-152.	-82.	-19.	-31.	121.	-4.	0.19	29.	32.	30.	-1.
22601	CC1622	RESIDU	0.	-0.021	0.	0.020	0.13	-16.	-8.	-2.	-3.	13.	-0.	0.07	1.	0.	49.	-0.
22601	CC1622	RESIDU	0.	-0.177	0.	0.168	0.36	-135.	-71.	-17.	-26.	112.	-3.	0.20	25.	28.	30.	-1.
22601	CC1222	RESIDU	0.	-0.021	0.	0.020	0.13	-16.	-8.	-2.	-3.	14.	-0.	0.07	1.	0.	48.	-0.
22601	CC1222	RESIDU	0.	-0.175	0.	0.168	0.37	-134.	-70.	-16.	-25.	113.	-3.	0.20	26.	28.	29.	-1.
22601	CC0822	RESIDU	0.	-0.020	0.	0.022	0.14	-16.	-8.	-2.	-3.	14.	-0.	0.08	1.	0.	48.	-0.
22601	CC0822	RESIDU	0.	-0.130	0.	0.144	0.37	-107.	-52.	-13.	-20.	94.	-2.	0.20	21.	22.	28.	-0.
22601	STIG15	RESIDU	0.	-0.034	0.	0.007	0.05	-21.	-14.	-1.	-8.	8.	0.	0.00	1.	0.	61.	-1.
22601	STIG15	RESIDU	0.	-7.468	0.	1.562	0.17	-4510.	-2987.	-222.	-1661.	1727.	14.	0.01	746.	843.	39.	-129.
22601	STIG10	RESIDU	0.	-0.031	0.	0.010	0.07	-20.	-12.	-1.	-7.	9.	0.	0.02	1.	0.	56.	-0.
22601	STIG10	RESIDU	0.	-0.628	0.	0.207	0.22	-406.	-251.	-17.	-142.	187.	8.	0.06	66.	74.	37.	-9.

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DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 13

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****										- - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---			
		*****DIRECT*****					-----TOTAL-----					-----DIRECT-----					*****TOTAL*****					EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART							
																		MWH							
22601	STIG1S	RESIDU	0.	-0.030	0.	0.012	0.07	-20.	-12.	-1.	-7.	10.	1.	0.02	1.	0.	54.	-0.							
22601	STIG1S	RESIDU	0.	-0.352	0.	0.138	0.23	-240.	-141.	-8.	-85.	117.	7.	0.07	40.	42.	36.	-5.							
22601	DEADV3	RESIDU	0.	-0.027	0.	0.015	0.09	-31.	-11.	-2.	-18.	11.	-1.	-0.05	-2.	0.	69.	-1.							
22601	DEADV3	RESIDU	0.	-0.341	0.	0.189	0.29	-394.	-137.	-29.	-226.	143.	-11.	-0.16	16.	46.	46.	-7.							
22601	DEHTPM	RESIDU	0.	-0.019	0.	0.022	0.14	-30.	-8.	-2.	-17.	14.	-0.	-0.02	-2.	0.	64.	-0.							
22601	DEHTPM	RESIDU	0.	-0.113	0.	0.128	0.36	-177.	-45.	-12.	-101.	83.	-2.	-0.06	6.	19.	41.	-1.							
22601	DES0A3	DISTIL	-0.029	0.	-0.029	0.041	0.08	-59.	20.	1.	-47.	38.	-2.	-0.12	-1.	0.	74.	-2.							
22601	DES0A3	DISTIL	-0.427	0.	-0.427	0.613	0.25	-1019.	-45.	1.	-826.	274.	15.	-0.86	3.	54.	59.	-16.							
22601	DES0A3	RESIDU	-0.029	0.	-0.029	0.041	0.08	-147.	-11.	-0.	-134.	12.	2.	-1.25	-1.	0.	68.	-1.							
22601	DES0A3	RESIDU	-0.427	0.	-0.427	0.613	0.25	-2187.	-161.	-3.	-1989.	174.	33.	-2.85	3.	54.	54.	-11.							
22601	GTS0AD	DISTIL	-0.021	0.	-0.021	0.041	0.13	-8.	-3.	0.	5.	19.	2.	0.36	1.	0.	47.	-1.							
22601	GTS0AD	DISTIL	-0.097	0.	-0.097	0.194	0.31	-40.	-16.	0.	22.	88.	8.	0.56	16.	14.	31.	-2.							
22601	GTRA08	DISTIL	0.	-0.022	0.	0.019	0.12	3.	8.	3.	17.	34.	11.	0.43	0.	0.	56.	-1.							
22601	GTRA08	DISTIL	0.	-0.169	0.	0.149	0.34	-73.	-34.	1.	30.	143.	24.	0.50	22.	26.	36.	-3.							
22601	GTRA12	DISTIL	0.	-0.021	0.	0.020	0.13	3.	8.	3.	17.	34.	11.	0.44	0.	0.	55.	-1.							
22601	GTRA12	DISTIL	0.	-0.162	0.	0.149	0.35	-71.	-32.	1.	30.	142.	24.	0.50	21.	25.	36.	-3.							
22601	GTRA16	DISTIL	0.	-0.021	0.	0.020	0.13	3.	8.	3.	17.	34.	11.	0.44	0.	0.	56.	-1.							
22601	GTRA16	DISTIL	0.	-0.151	0.	0.140	0.34	-66.	-29.	1.	28.	134.	23.	0.50	18.	23.	37.	-3.							
22601	GTR208	DISTIL	0.	-0.021	0.	0.020	0.13	2.	8.	3.	16.	34.	11.	0.43	1.	0.	53.	-1.							
22601	GTR208	DISTIL	0.	-0.126	0.	0.116	0.32	-56.	-22.	2.	23.	114.	21.	0.48	17.	19.	35.	-2.							
22601	GTR212	DISTIL	0.	-0.022	0.	0.020	0.13	2.	8.	3.	16.	34.	11.	0.43	0.	0.	54.	-1.							
22601	GTR212	DISTIL	0.	-0.135	0.	0.124	0.33	-60.	-24.	2.	24.	121.	22.	0.49	18.	20.	35.	-3.							
22601	GTR216	DISTIL	0.	-0.021	0.	0.020	0.13	2.	8.	3.	17.	34.	11.	0.43	0.	0.	54.	-1.							
22601	GTR216	DISTIL	0.	-0.136	0.	0.129	0.34	-60.	-25.	2.	26.	124.	22.	0.49	18.	21.	36.	-3.							
22601	GTRW08	DISTIL	0.	-0.025	0.	0.016	0.10	2.	7.	3.	16.	33.	10.	0.42	0.	0.	59.	-1.							
22601	GTRW08	DISTIL	0.	-0.230	0.	0.150	0.30	-98.	-51.	-0.	25.	160.	27.	0.47	28.	32.	38.	-5.							
22601	GTRW12	DISTIL	0.	-0.024	0.	0.017	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	58.	-1.							
22601	GTRW12	DISTIL	0.	-0.224	0.	0.163	0.32	-95.	-49.	0.	30.	166.	28.	0.48	28.	32.	37.	-4.							
22601	GTRW16	DISTIL	0.	-0.024	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	-0.	0.	59.	-1.							
22601	GTRW16	DISTIL	0.	-0.206	0.	0.153	0.32	-88.	-44.	0.	28.	156.	26.	0.48	25.	30.	37.	-4.							
22601	GTR308	DISTIL	0.	-0.026	0.	0.015	0.10	1.	6.	3.	15.	32.	10.	0.41	1.	0.	58.	-1.							
22601	GTR308	DISTIL	0.	-0.183	0.	0.107	0.26	-79.	-38.	1.	15.	124.	23.	0.44	21.	23.	39.	-4.							
22601	GTR312	DISTIL	0.	-0.023	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	56.	-1.							
22601	GTR312	DISTIL	0.	-0.179	0.	0.136	0.32	-77.	-37.	1.	25.	139.	24.	0.48	23.	26.	36.	-3.							
22601	GTR316	DISTIL	0.	-0.024	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	57.	-1.							
22601	GTR316	DISTIL	0.	-0.177	0.	0.133	0.31	-76.	-36.	1.	24.	137.	24.	0.48	22.	25.	37.	-4.							
22601	FCPADS	DISTIL	0.	-0.028	0.	0.013	0.09	9.	16.	4.	23.	42.	11.	0.54	-0.	0.	73.	-2.							
22601	FCPADS	DISTIL	0.	-0.464	0.	0.225	0.28	-72.	46.	6.	150.	427.	51.	0.85	27.	61.	60.	-21.							
22601	FCMCDS	DISTIL	0.	-0.023	0.	0.018	0.11	-8.	16.	3.	6.	42.	11.	0.42	-0.	0.	69.	-2.							
22601	FCMCDS	DISTIL	0.	-0.307	0.	0.238	0.36	-279.	46.	-1.	-103.	347.	36.	0.46	18.	47.	56.	-14.							
22	FCMCDS	DISTIL	-1.164	-15.668	-1.164	9.415	13.19	-11680.	-6109.	-417.	-3645.	7468.	880.	0.17	874.	1958.	6918.	-329.							
24211	STM141	RESIDU	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-0.	0.	81.	-0.							
24211	STM141	RESIDU	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0.	0.95	0.	0.	55.	-0.							
24211	STM141	COAL-F	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-3.	0.	220.	-1.							
24211	STM141	COAL-F	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0.	0.94	-2.	0.	155.	-0.							
24211	STM141	COAL-A	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-3.	0.	190.	-1.							

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GENERAL ELECTRIC COMPANY

PAGE 14

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING*****				-----EMISSIONS SAVING-----				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		FESR		DIRECT		*****TOTAL*****		EMSR SAVING	TOTAL
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
													LAEC
													SAVED
24211	STM141	COAL-A	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0. 0.96
24211	STM088	RESIDU	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0. 0.81
24211	STM088	COAL-F	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0. 0.81
24211	STM088	COAL-A	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0. 0.81
24211	PFBSTM	COAL-P	0.	-0.000	0.	0.006	0.98	-0.	-0.	-0.	2.	3.	0. 0.98
24211	PFBSTM	COAL-P	0.	-0.002	0.	0.010	0.80	-0.	-1.	-0.	4.	5.	1. 0.85
24211	TISTMT	COAL	0.	-0.000	0.	0.006	0.98	-0.	-0.	-0.	2.	3.	0. 0.98
24211	TISTMT	COAL	0.	-0.004	0.	0.012	0.76	-1.	-2.	-0.	4.	7.	1. 0.74
24211	TIHRS6	COAL	0.	-0.001	0.	0.005	0.83	-0.	-1.	-0.	2.	3.	0. 0.82
24211	TIHRS6	COAL	0.	-0.002	0.	0.006	0.75	-1.	-1.	-0.	2.	3.	0. 0.74
24211	STIRL	COAL	0.	-0.001	0.	0.005	0.81	-0.	-1.	-0.	2.	3.	0. 0.80
24211	STIRL	COAL	0.	-0.009	0.	0.011	0.56	-3.	-5.	-0.	3.	6.	1. 0.53
24211	HEGT85	COAL-A	0.	-0.003	0.	0.003	0.53	-0.	-2.	-0.	2.	2.	0. 0.60
24211	HEGT85	COAL-A	0.	-0.071	0.	0.017	0.19	-13.	-42.	-4.	15.	5.	2. 0.28
24211	HEGT60	COAL-A	0.	-0.003	0.	0.004	0.57	-0.	-2.	-0.	2.	2.	0. 0.64
24211	HEGT60	COAL-A	0.	-0.023	0.	0.009	0.28	-4.	-14.	-1.	6.	4.	1. 0.35
24211	HEGT00	COAL-A	0.	-0.003	0.	0.004	0.60	-0.	-2.	-0.	2.	2.	0. 0.66
24211	HEGT00	COAL-A	0.	-0.008	0.	0.005	0.41	-1.	-5.	-0.	3.	3.	0. 0.47
24211	FCSTCL	COAL	0.	-0.030	0.	0.006	0.16	-0.	-0.	-0.	12.	20.	2. 1.00
24211	GTAC16	RESIDU	0.	-0.006	0.	0.000	0.01	-2.	-3.	-0.	-0.	1.	-0. 0.06
24211	CC1626	RESIDU	0.	-0.005	0.	0.001	0.15	-2.	-2.	-0.	0.	1.	-0. 0.19
24211	CC1622	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0. 0.18
24211	CC1222	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0. 0.19
24211	CC0822	RESIDU	0.	-0.006	0.	0.001	0.08	-2.	-2.	-0.	-0.	1.	-0. 0.13
24211	STIG15	RESIDU	0.	-0.005	0.	0.001	0.16	-2.	-2.	-0.	0.	1.	-0. 0.21
24211	STIG10	RESIDU	0.	-0.006	0.	0.001	0.11	-2.	-2.	-0.	0.	1.	-0. 0.16
24211	STIG15	RESIDU	0.	-0.006	0.	0.000	0.05	-2.	-2.	-0.	-0.	1.	-0. 0.10
24211	DEADV3	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0. 0.18
24211	DEHTPM	RESIDU	0.	-0.006	0.	0.000	0.04	-2.	-2.	-0.	-0.	1.	-0. 0.09
24211	DESOA3	DISTIL	-0.006	0.	-0.006	0.006	0.11	-0.	-1.	0.	2.	2.	0. 0.75
24211	DESOA3	RESIDU	-0.006	0.	-0.006	0.006	0.11	-1.	-2.	-0.	1.	1.	0. 0.53
24211	GTRA08	DISTIL	0.	-0.006	0.	0.001	0.10	-1.	-2.	-0.	1.	2.	0. 0.49
24211	GTRA12	DISTIL	0.	-0.006	0.	0.001	0.11	-1.	-2.	-0.	1.	2.	0. 0.49
24211	GTRA16	DISTIL	0.	-0.006	0.	0.001	0.08	-1.	-2.	-0.	1.	2.	0. 0.48
24211	GTR208	DISTIL	0.	-0.006	0.	0.000	0.00	-1.	-2.	-0.	1.	2.	0. 0.43
24211	GTR212	DISTIL	0.	-0.006	0.	0.000	0.03	-1.	-2.	-0.	1.	2.	0. 0.45
24211	GTR216	DISTIL	0.	-0.006	0.	0.000	0.05	-1.	-2.	-0.	1.	2.	0. 0.46
24211	GTRW08	DISTIL	0.	-0.006	0.	0.001	0.09	-1.	-2.	-0.	1.	2.	0. 0.48
24211	GTRW12	DISTIL	0.	-0.006	0.	0.001	0.12	-1.	-2.	-0.	1.	2.	0. 0.50
24211	GTRW16	DISTIL	0.	-0.006	0.	0.001	0.10	-1.	-2.	-0.	1.	2.	0. 0.49
24211	GTR312	DISTIL	0.	-0.006	0.	0.000	0.06	-1.	-2.	-0.	1.	2.	0. 0.47
24211	GTR316	DISTIL	0.	-0.006	0.	0.000	0.06	-1.	-2.	-0.	1.	2.	0. 0.46
24211	FCPADS	DISTIL	0.	-0.005	0.	0.001	0.16	-1.	-2.	-0.	1.	2.	0. 0.52
24211	FCMCDS	DISTIL	0.	-0.005	0.	0.001	0.22	-1.	-1.	-0.	1.	2.	0. 0.56
24361	STM141	RESIDU	0.	-0.000	0.	0.019	0.99	-0.	-0.	-0.	6.	10.	1. 0.99
24361	STM141	RESIDU	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1. 0.97

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING*****-----EMISSIONS SAVING-----										CAPITL--ELECTRIC POWER---					
		*****DIRECT*****		-----TOTAL----		FESR		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX						PART
MMH																	
24361	STM141	COAL-F	0.	-0.000	0.	0.019	0.99	-0.	-0.	-0.	6.	10.	1. 0.99	-5.	0.	118.	-1.
24361	STM141	COAL-F	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1. 0.97	-4.	0.	94.	-0.
24361	STM141	COAL-A	0.	-0.000	0.	0.015	0.99	-0.	-0.	-0.	6.	10.	1. 0.99	-3.	0.	92.	-0.
24361	STM141	COAL-A	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1. 0.98	-2.	0.	68.	-0.
24361	STM088	RESIDU	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1. 0.68	1.	0.	40.	0.
24361	STM088	COAL-F	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1. 0.68	-4.	0.	105.	-1.
24361	STM088	COAL-A	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1. 0.68	-2.	0.	82.	-0.
24361	PFBSTM	COAL-P	0.	-0.001	0.	0.019	0.97	-0.	-0.	-0.	6.	10.	1. 0.97	-7.	0.	154.	-1.
24361	PFBSTM	COAL-P	0.	-0.008	0.	0.030	0.79	-1.	-5.	-0.	12.	16.	2. 0.84	-4.	2.	75.	-1.
24361	TISTMT	COAL	0.	-0.000	0.	0.019	0.98	-0.	-0.	-0.	6.	10.	1. 0.98	-16.	0.	270.	-2.
24361	TISTMT	COAL	0.	-0.013	0.	0.039	0.75	-5.	-8.	-1.	12.	21.	2. 0.73	-24.	3.	158.	-3.
24361	TIHRSG	COAL	0.	-0.004	0.	0.015	0.78	-1.	-2.	-0.	5.	8.	1. 0.77	-21.	0.	329.	-3.
24361	TIHRSG	COAL	0.	-0.011	0.	0.020	0.64	-4.	-7.	-1.	6.	10.	1. 0.61	-25.	1.	245.	-3.
24361	STIRL	COAL	0.	-0.004	0.	0.015	0.80	-1.	-2.	-0.	5.	8.	1. 0.79	-6.	0.	138.	-1.
24361	STIRL	COAL	0.	-0.032	0.	0.037	0.54	-11.	-19.	-2.	11.	19.	3. 0.50	-3.	5.	57.	-1.
24361	HEGT60	COAL-A	0.	-0.010	0.	0.010	0.50	-1.	-6.	-0.	5.	5.	1. 0.57	-12.	0.	219.	-2.
24361	HEGT60	COAL-A	0.	-0.120	0.	0.026	0.16	-22.	-72.	-6.	25.	8.	3. 0.26	-24.	12.	92.	-5.
24361	HEGT00	COAL-A	0.	-0.008	0.	0.011	0.58	-1.	-5.	-0.	5.	6.	1. 0.64	-11.	0.	205.	-2.
24361	HEGT00	COAL-A	0.	-0.034	0.	0.018	0.34	-6.	-20.	-2.	10.	8.	1. 0.41	-13.	3.	111.	-2.
24361	FCSTCL	COAL	0.	-0.108	0.	0.015	0.12	-0.	-0.	-0.	40.	67.	7. 1.00	-12.	10.	77.	-4.
24361	GTAC16	RESIDU	0.	-0.019	0.	0.000	0.01	-7.	-8.	-1.	-1.	2.	-1. 0.06	0.	0.	73.	-0.
24361	CC1626	RESIDU	0.	-0.017	0.	0.002	0.12	-6.	-7.	-1.	0.	3.	-0. 0.16	-0.	0.	76.	-0.
24361	CC1622	RESIDU	0.	-0.017	0.	0.002	0.10	-6.	-7.	-1.	0.	3.	-0. 0.15	-0.	0.	74.	-0.
24361	CC1222	RESIDU	0.	-0.017	0.	0.002	0.10	-6.	-7.	-1.	0.	3.	-0. 0.15	0.	0.	72.	-0.
24361	CC0822	RESIDU	0.	-0.019	0.	0.001	0.03	-6.	-7.	-1.	0.	3.	-1. 0.09	-0.	0.	76.	-1.
24361	STIG15	RESIDU	0.	-0.016	0.	0.003	0.16	-6.	-6.	-1.	0.	4.	-0. 0.21	-0.	0.	72.	-0.
24361	STIG10	RESIDU	0.	-0.017	0.	0.002	0.11	-6.	-7.	-1.	0.	3.	-0. 0.16	-0.	0.	71.	-0.
24361	STIG15	RESIDU	0.	-0.018	0.	0.001	0.05	-6.	-7.	-1.	0.	3.	-1. 0.10	0.	0.	72.	-0.
24361	DEADV3	RESIDU	0.	-0.017	0.	0.003	0.14	-6.	-7.	-1.	0.	3.	-0. 0.18	-2.	0.	94.	-1.
24361	DESQA3	DISTIL	-0.017	0.	-0.017	0.019	0.11	-0.	-3.	0.	6.	7.	0. 0.75	-1.	0.	88.	-1.
24361	DESQA3	RESIDU	-0.017	0.	-0.017	0.019	0.11	-2.	-6.	-0.	4.	4.	1. 0.53	-1.	0.	82.	-1.
24361	GTRA08	DISTIL	0.	-0.017	0.	0.002	0.10	-4.	-5.	-0.	2.	6.	1. 0.49	-0.	0.	83.	-1.
24361	GTRA12	DISTIL	0.	-0.017	0.	0.002	0.11	-4.	-5.	-0.	2.	6.	1. 0.49	-0.	0.	82.	-1.
24361	GTRA16	DISTIL	0.	-0.018	0.	0.002	0.08	-4.	-5.	-0.	2.	6.	1. 0.48	-1.	0.	85.	-1.
24361	GTR212	DISTIL	0.	-0.019	0.	0.001	0.03	-4.	-5.	-0.	2.	5.	1. 0.45	-0.	0.	84.	-1.
24361	GTR216	DISTIL	0.	-0.018	0.	0.001	0.05	-4.	-5.	-0.	2.	5.	1. 0.46	-0.	0.	84.	-1.
24361	GTRW08	DISTIL	0.	-0.017	0.	0.002	0.09	-4.	-5.	-0.	2.	6.	1. 0.48	-1.	0.	85.	-1.
24361	GTRW12	DISTIL	0.	-0.017	0.	0.002	0.12	-4.	-5.	-0.	2.	6.	1. 0.50	-1.	0.	83.	-1.
24361	GTRW16	DISTIL	0.	-0.017	0.	0.002	0.10	-4.	-5.	-0.	2.	6.	1. 0.49	-1.	0.	86.	-1.
24361	GTR312	DISTIL	0.	-0.018	0.	0.001	0.06	-4.	-5.	-0.	2.	5.	1. 0.47	-0.	0.	83.	-1.
24361	GTR316	DISTIL	0.	-0.018	0.	0.001	0.06	-4.	-5.	-0.	2.	5.	1. 0.46	-1.	0.	85.	-1.
24361	FCPADS	DISTIL	0.	-0.016	0.	0.003	0.16	-4.	-5.	-0.	2.	6.	1. 0.52	-0.	0.	85.	-1.
24361	FCMCDS	DISTIL	0.	-0.015	0.	0.004	0.22	-3.	-4.	-0.	3.	6.	1. 0.56	-0.	0.	83.	-1.
24921	STM141	RESIDU	0.	-0.005	0.	0.008	0.19	-2.	-2.	-0.	3.	5.	0. 0.19	0.	0.	84.	0.
24921	STM141	COAL-F	0.	-0.005	0.	0.008	0.19	-2.	-3.	-0.	3.	4.	1. 0.17	-3.	0.	62.	-0.
24921	STM141	COAL-A	0.	-0.005	0.	0.008	0.19	-0.	-3.	-0.	4.	4.	1. 0.21	-2.	0.	56.	-0.

NEWELL PAGE PRINTING SYSTEM - 81181-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 16

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MWH																		
24921	STN088	RESIDU	0.	-0.003	0.	0.005	0.12	-1.	-1.	-0.	2.	3.	0.	0.12	0.	0.	56.	0.
24921	STN088	COAL-F	0.	-0.003	0.	0.005	0.12	-1.	-2.	-0.	2.	2.	0.	0.11	-3.	0.	63.	-0.
24921	STN088	COAL-A	0.	-0.003	0.	0.005	0.12	-0.	-2.	-0.	3.	2.	0.	0.14	-2.	0.	58.	-0.
24921	PFBSTM	COAL-P	0.	-0.010	0.	0.015	0.34	-0.	-6.	-0.	8.	7.	1.	0.40	-4.	0.	64.	-0.
24921	TISTMT	RESIDU	0.	-0.001	0.	0.001	0.03	-0.	-0.	-0.	0.	1.	0.	0.03	-1.	0.	70.	-0.
24921	TISTMT	COAL	0.	-0.013	0.	0.021	0.47	-5.	-8.	-1.	6.	11.	1.	0.45	-15.	0.	126.	-2.
24921	TIHRS6	RESIDU	0.	-0.001	0.	0.000	0.01	-0.	-0.	-0.	0.	0.	0.	0.01	-1.	0.	69.	-0.
24921	TIHRS6	COAL	0.	-0.012	0.	0.009	0.19	-4.	-8.	-1.	2.	4.	1.	0.17	-15.	0.	133.	-2.
24921	STIRL	DISTIL	0.	-0.001	0.	0.001	0.02	-0.	-0.	0.	1.	1.	0.	0.05	-0.	0.	71.	-0.
24921	STIRL	RESIDU	0.	-0.001	0.	0.001	0.02	-0.	-1.	-0.	0.	1.	0.	0.03	-0.	0.	63.	-0.
24921	STIRL	COAL	0.	-0.024	0.	0.019	0.42	-8.	-15.	-1.	5.	9.	1.	0.37	-2.	0.	55.	-0.
24921	STIRL	COAL	0.	-0.026	0.	0.020	0.42	-9.	-16.	-1.	6.	9.	1.	0.37	-1.	0.	47.	0.
24921	HEGT60	COAL-A	0.	-0.037	0.	0.005	0.12	-6.	-23.	-2.	8.	1.	1.	0.23	-13.	0.	125.	-2.
24921	HEGT60	COAL-A	0.	-0.084	0.	0.012	0.13	-15.	-50.	-4.	16.	2.	2.	0.22	-17.	5.	87.	-3.
24921	HEGT00	COAL-A	0.	-0.027	0.	0.007	0.16	-5.	-17.	-1.	6.	2.	1.	0.22	-9.	0.	93.	-1.
24921	FCSTCL	COAL	0.	-0.069	0.	0.012	0.14	1.	1.	-0.	27.	45.	5.	1.00	-9.	4.	73.	-2.
24921	GTSGAR	RESIDU	-0.002	0.	-0.002	0.004	0.03	-0.	-1.	-0.	1.	1.	0.	0.06	-1.	0.	63.	-0.
24921	GTAC08	RESIDU	0.	-0.001	0.	0.001	0.03	-0.	-0.	-0.	0.	1.	0.	0.03	-0.	0.	62.	-0.
24921	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	0.	1.	0.	0.04	-0.	0.	62.	-0.
24921	GTAC16	RESIDU	0.	-0.040	0.	0.002	0.05	-21.	-16.	-3.	8.	6.	-2.	-0.09	1.	0.	53.	-0.
24921	GTAC16	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.05	-0.	0.	62.	-0.
24921	GTWC16	RESIDU	0.	-0.041	0.	0.001	0.03	-22.	-17.	-3.	8.	6.	-2.	-0.12	1.	0.	56.	-1.
24921	GTWC16	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.04	-1.	0.	63.	-0.
24921	CC1626	RESIDU	0.	-0.036	0.	0.007	0.15	-17.	-14.	-2.	3.	6.	-1.	0.08	1.	0.	54.	-0.
24921	CC1626	RESIDU	0.	-0.003	0.	0.003	0.06	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC1622	RESIDU	0.	-0.036	0.	0.006	0.14	-18.	-15.	-2.	4.	8.	-1.	0.05	1.	0.	53.	-0.
24921	CC1622	RESIDU	0.	-0.003	0.	0.002	0.05	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC1222	RESIDU	0.	-0.036	0.	0.005	0.14	-18.	-15.	-2.	4.	8.	-1.	0.05	1.	0.	52.	-0.
24921	CC1222	RESIDU	0.	-0.003	0.	0.002	0.05	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC0822	RESIDU	0.	-0.039	0.	0.003	0.08	-20.	-16.	-3.	7.	6.	-2.	-0.06	1.	0.	55.	-0.
24921	CC0822	RESIDU	0.	-0.002	0.	0.002	0.05	-1.	-1.	-0.	1.	1.	0.	0.05	-0.	0.	63.	-0.
24921	STIG15	RESIDU	0.	-0.035	0.	0.007	0.17	-13.	-14.	-2.	0.	8.	-1.	0.19	0.	0.	55.	-0.
24921	STIG15	RESIDU	0.	-0.121	0.	0.025	0.17	-65.	-48.	-4.	-19.	28.	-0.	0.06	5.	10.	46.	-2.
24921	STIG10	RESIDU	0.	-0.036	0.	0.007	0.15	-15.	-14.	-2.	-1.	8.	-1.	0.14	1.	0.	53.	-0.
24921	STIG10	RESIDU	0.	-0.010	0.	0.003	0.08	-4.	-4.	-1.	1.	3.	-0.	0.09	-0.	0.	61.	-0.
24921	STIG15	RESIDU	0.	-0.039	0.	0.004	0.09	-18.	-16.	-2.	-4.	7.	-1.	0.04	1.	0.	54.	-0.
24921	STIG15	RESIDU	0.	-0.006	0.	0.002	0.05	-2.	-2.	-0.	1.	2.	-0.	0.06	-0.	0.	62.	-0.
24921	DEADV3	RESIDU	0.	-0.035	0.	0.008	0.17	-18.	-14.	-2.	-5.	8.	-1.	0.06	-1.	0.	63.	-1.
24921	DEADV3	RESIDU	0.	-0.007	0.	0.003	0.07	-2.	-3.	-0.	1.	3.	-0.	0.08	-1.	0.	68.	-0.
24921	DEHTPM	RESIDU	0.	-0.042	0.	0.001	0.01	-33.	-17.	-3.	-20.	5.	-2.	-0.41	-1.	0.	69.	-1.
24921	DEHTPM	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.04	-1.	0.	64.	-0.
24921	DESGA3	DISTIL	-0.036	0.	-0.036	0.043	0.15	-19.	-5.	0.	-6.	17.	1.	0.30	-0.	0.	66.	-1.
24921	DESGA3	DISTIL	-0.009	0.	-0.009	0.012	0.07	-0.	-1.	0.	4.	5.	0.	0.22	-0.	0.	70.	-0.
24921	DESGA3	RESIDU	-0.036	0.	-0.036	0.043	0.15	-43.	-14.	-0.	-29.	10.	2.	-0.42	-0.	0.	60.	-1.
24921	DESGA3	RESIDU	-0.009	0.	-0.009	0.012	0.07	-1.	-3.	-0.	3.	3.	1.	0.16	-0.	0.	62.	-0.
24921	GTSOAD	DISTIL	-0.002	0.	-0.002	0.003	0.04	-0.	-0.	0.	1.	1.	0.	0.06	-0.	0.	70.	-0.

NEWELL PAGE PRINTING SYSTEM - P110-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 17

TSE PEG AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	TOTAL EXPORT
24921	GTRA08	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2. 0.44
24921	GTRA08	DISTIL	0.	-0.003	0.	0.002	0.06	-0.	-1.	0.	1.	2.	0. 0.10
24921	GTRA12	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2. 0.44
24921	GTRA12	DISTIL	0.	-0.003	0.	0.002	0.06	-0.	-1.	0.	1.	2.	0. 0.10
24921	GTRA16	DISTIL	0.	-0.037	0.	0.005	0.12	-12.	-10.	-1.	2.	13.	2. 0.41
24921	GTRA16	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0. 0.09
24921	GTR208	DISTIL	0.	-0.041	0.	0.002	0.04	-14.	-11.	-1.	-0.	12.	2. 0.34
24921	GTR208	DISTIL	0.	-0.002	0.	0.002	0.04	-0.	-0.	0.	1.	2.	0. 0.08
24921	GTR212	DISTIL	0.	-0.039	0.	0.003	0.07	-13.	-11.	-1.	1.	12.	2. 0.37
24921	GTR212	DISTIL	0.	-0.002	0.	0.002	0.05	-0.	-0.	0.	1.	2.	0. 0.08
24921	GTR216	DISTIL	0.	-0.039	0.	0.004	0.09	-13.	-11.	-1.	1.	13.	2. 0.38
24921	GTR216	DISTIL	0.	-0.002	0.	0.002	0.05	-0.	-0.	0.	1.	2.	0. 0.09
24921	GTRW08	DISTIL	0.	-0.037	0.	0.006	0.13	-11.	-10.	-1.	3.	13.	2. 0.43
24921	GTRW08	DISTIL	0.	-0.004	0.	0.002	0.06	-1.	-1.	-0.	1.	3.	0. 0.11
24921	GTRW12	DISTIL	0.	-0.036	0.	0.007	0.16	-10.	-10.	-1.	3.	14.	2. 0.46
24921	GTRW12	DISTIL	0.	-0.004	0.	0.003	0.06	-1.	-1.	-0.	1.	3.	0. 0.12
24921	GTRW16	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2. 0.44
24921	GTRW16	DISTIL	0.	-0.004	0.	0.003	0.06	-1.	-1.	0.	1.	3.	0. 0.11
24921	GTR308	DISTIL	0.	-0.042	0.	0.001	0.01	-14.	-12.	-1.	0.	12.	2. 0.33
24921	GTR308	DISTIL	0.	-0.003	0.	0.002	0.04	-1.	-1.	0.	1.	2.	0. 0.09
24921	GTR312	DISTIL	0.	-0.038	0.	0.005	0.10	-12.	-10.	-1.	2.	13.	2. 0.40
24921	GTR312	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0. 0.10
24921	GTR316	DISTIL	0.	-0.038	0.	0.004	0.10	-12.	-11.	-1.	2.	13.	2. 0.40
24921	GTR316	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0. 0.09
24921	FCPADS	DISTIL	0.	-0.034	0.	0.009	0.19	-7.	-7.	-0.	6.	16.	2. 0.61
24921	FCPADS	DISTIL	0.	-0.008	0.	0.004	0.08	-2.	-2.	-0.	2.	4.	1. 0.17
24921	FCMCDS	DISTIL	0.	-0.031	0.	0.011	0.26	-11.	-7.	-0.	3.	17.	2. 0.53
24921	FCMCDS	DISTIL	0.	-0.005	0.	0.004	0.09	-1.	-1.	-0.	2.	4.	1. 0.15
24	FCMCDS	DISTIL	-0.138	-2.496	-0.138	1.192	16.04	-808.	-969.	-87.	373.	1025.	99. 0.54
26212	STM141	RESIDU	0.	-0.159	0.	0.263	0.29	-56.	-64.	-8.	79.	163.	11. 0.30
26212	STM141	COAL-F	0.	-0.159	0.	0.263	0.29	-56.	-190.	-8.	84.	55.	36. 0.21
26212	STM141	COAL-A	0.	-0.159	0.	0.263	0.29	81.	-190.	-8.	220.	55.	36. 0.37
26212	STM088	RESIDU	0.	-0.116	0.	0.191	0.21	-40.	-46.	-6.	57.	118.	8. 0.22
26212	STM088	COAL-F	0.	-0.116	0.	0.191	0.21	-40.	-164.	-6.	62.	18.	31. 0.13
26212	STM088	COAL-A	0.	-0.116	0.	0.191	0.21	86.	-164.	-6.	189.	18.	31. 0.29
26212	PFBSTM	COAL-P	0.	-0.174	0.	0.273	0.30	101.	-199.	5.	249.	60.	50. 0.43
26212	PFBSTM	COAL-P	0.	-0.267	0.	0.419	0.36	110.	-255.	13.	335.	134.	72. 0.51
26212	TISTMT	RESIDU	0.	-0.173	0.	0.275	0.30	-61.	-69.	-9.	82.	170.	11. 0.32
26212	TISTMT	RESIDU	0.	-0.218	0.	0.346	0.33	-76.	-87.	-11.	104.	215.	14. 0.35
26212	TISTMT	COAL	0.	-0.173	0.	0.275	0.30	-61.	-199.	-9.	87.	60.	37. 0.22
26212	TISTMT	COAL	0.	-0.354	0.	0.562	0.40	-124.	-307.	-18.	174.	208.	56. 0.35
26212	TIHRSG	RESIDU	0.	-0.150	0.	0.125	0.14	-53.	-60.	-8.	35.	86.	3. 0.15
26212	TIHRSG	COAL	0.	-0.244	0.	0.202	0.22	-85.	-241.	-12.	62.	17.	33. 0.13
26212	STIRL	DISTIL	0.	-0.250	0.	0.198	0.22	-0.	-14.	11.	147.	245.	57. 0.54
26212	STIRL	DISTIL	0.	-0.371	0.	0.295	0.26	-28.	-48.	9.	189.	330.	68. 0.57
26212	STIRL	RESIDU	0.	-0.250	0.	0.198	0.22	-87.	-100.	-2.	55.	138.	-3. 0.23

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DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 18

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

CGST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S***** - - EMISSIONS SAVING S - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MMH																		
26212	STIRL	RESIDU	0.	-0.371	0.	0.295	0.26	-130.	-148.	-35.	82.	204.	-9.	0.27	21.	20.	35.	2.
26212	STIRL	COAL	0.	-0.250	0.	0.198	0.22	-87.	-245.	-12.	60.	15.	33.	0.13	-27.	0.	53.	8.
26212	STIRL	COAL	0.	-0.602	0.	0.479	0.31	-211.	-456.	-30.	141.	149.	53.	0.24	-29.	59.	42.	6.
26212	HEGT85	COAL-A	0.	-0.384	0.	0.063	0.07	43.	-325.	-19.	191.	-66.	5.	0.18	-56.	0.	75.	1.
26212	HEGT85	COAL-A	0.	-4.771	0.	0.708	0.13	-786.	-2957.	-239.	1006.	97.	110.	0.22	-131.	479.	47.	-57.
26212	HEGT60	COAL-A	0.	-0.364	0.	0.084	0.09	41.	-313.	-18.	189.	-54.	27.	0.19	-50.	0.	71.	2.
26212	HEGT60	COAL-A	0.	-1.484	0.	0.341	0.15	-189.	-985.	-74.	401.	27.	53.	0.23	-26.	129.	44.	-6.
26212	HEGT00	COAL-A	0.	-0.346	0.	0.101	0.11	31.	-303.	-17.	179.	-44.	28.	0.20	-36.	0.	62.	4.
26212	HEGT00	COAL-A	0.	-0.571	0.	0.167	0.14	-24.	-437.	-29.	217.	-20.	34.	0.21	-26.	27.	50.	4.
26212	FCMCCL	COAL	0.	-0.910	0.	0.405	0.23	165.	189.	20.	592.	922.	1.7.	1.00	-0.	81.	40.	2.
26212	FCSTCL	COAL	0.	-1.187	0.	0.810	0.33	165.	189.	20.	811.	1295.	15.7.	1.00	31.	145.	33.	6.
26212	IGGTST	COAL	0.	-1.074	0.	0.314	0.17	-376.	-739.	16.	74.	34.	11.7.	0.13	11.	88.	37.	5.
26212	GTSOAR	RESIDU	-0.248	0.	-0.248	0.448	0.22	-55.	-93.	-2.	89.	152.	25.	0.41	25.	0.	29.	5.
26212	GTSOAR	RESIDU	-0.476	0.	-0.476	0.862	0.29	-144.	-179.	-4.	133.	292.	47.	0.46	53.	39.	27.	4.
26212	GTAC08	RESIDU	0.	-0.209	0.	0.238	0.26	-132.	-84.	-17.	11.	155.	1.	0.20	28.	0.	24.	7.
26212	GTAC08	RESIDU	0.	-0.309	0.	0.352	0.31	-230.	-124.	-28.	-20.	229.	-2.	0.20	44.	20.	23.	7.
26212	GTAC12	RESIDU	0.	-0.213	0.	0.235	0.25	-118.	-85.	-15.	24.	153.	3.	0.22	26.	0.	25.	6.
26212	GTAC12	RESIDU	0.	-0.394	0.	0.434	0.33	-281.	-158.	-35.	-18.	283.	-2.	0.22	53.	36.	23.	7.
26212	GTAC16	RESIDU	0.	-0.218	0.	0.230	0.25	-113.	-87.	-15.	29.	151.	3.	0.22	25.	0.	26.	6.
26212	GTAC16	RESIDU	0.	-0.458	0.	0.483	0.34	-319.	-183.	-40.	-20.	318.	-2.	0.23	58.	46.	24.	6.
26212	GTWC16	RESIDU	0.	-0.238	0.	0.209	0.23	-123.	-95.	-16.	19.	142.	1.	0.20	26.	0.	27.	5.
26212	GTWC16	RESIDU	0.	-0.522	0.	0.459	0.32	-358.	-209.	-45.	-46.	312.	-7.	0.19	64.	50.	25.	5.
26212	CC1626	RESIDU	0.	-0.241	0.	0.207	0.22	-105.	-95.	-14.	38.	141.	3.	0.22	22.	0.	30.	4.
26212	CC1626	RESIDU	0.	-0.832	0.	0.715	0.35	-544.	-333.	-68.	-52.	488.	-10.	0.23	102.	103.	25.	4.
26212	CC1622	RESIDU	0.	-0.231	0.	0.217	0.24	-102.	-92.	-14.	40.	146.	3.	0.23	21.	0.	29.	5.
26212	CC1622	RESIDU	0.	-0.717	0.	0.675	0.36	-475.	-287.	-60.	-32.	453.	-6.	0.24	86.	89.	25.	5.
26212	CC1222	RESIDU	0.	-0.229	0.	0.219	0.24	-101.	-91.	-14.	41.	147.	4.	0.23	22.	0.	29.	5.
26212	CC1222	RESIDU	0.	-0.707	0.	0.678	0.36	-469.	-283.	-59.	-28.	453.	-5.	0.25	89.	88.	24.	5.
26212	CC0822	RESIDU	0.	-0.213	0.	0.235	0.25	-102.	-85.	-14.	41.	153.	4.	0.24	26.	0.	25.	6.
26212	CC0822	RESIDU	0.	-0.524	0.	0.578	0.37	-359.	-210.	-45.	-8.	377.	-1.	0.26	72.	61.	23.	7.
26212	STIG15	RESIDU	0.	-0.370	0.	0.077	0.08	-150.	-148.	-17.	-8.	86.	-5.	0.09	21.	0.	41.	-1.
26212	STIG15	RESIDU	0.	-30.541	0.	6.387	0.17	-18369.	-12216.	-913.	-6718.	7063.	52.	0.01	2311.	3421.	36.	-470.
26212	STIG10	RESIDU	0.	-0.337	0.	0.111	0.12	-144.	-135.	-15.	-2.	100.	-2.	0.12	22.	0.	37.	1.
26212	STIG10	RESIDU	0.	-2.569	0.	0.846	0.22	-1586.	-1027.	-74.	-506.	763.	26.	0.08	214.	276.	34.	-28.
26212	STIG1S	RESIDU	0.	-0.321	0.	0.126	0.14	-145.	-129.	-13.	-4.	107.	0.	0.12	23.	0.	36.	2.
26212	STIG1S	RESIDU	0.	-1.438	0.	0.565	0.23	-907.	-575.	-40.	-274.	477.	21.	0.10	128.	146.	32.	-11.
26212	DEADV3	RESIDU	0.	-0.293	0.	0.155	0.17	-156.	-117.	-17.	-15.	119.	-2.	0.12	4.	0.	44.	0.
26212	DEADV3	RESIDU	0.	-1.493	0.	0.788	0.29	-1525.	-597.	-119.	-802.	605.	-44.	-0.09	53.	172.	40.	-19.
26212	DEHTPM	RESIDU	0.	-0.217	0.	0.230	0.25	-161.	-87.	-15.	-19.	151.	3.	0.16	5.	0.	37.	3.
26212	DEHTPM	RESIDU	0.	-0.467	0.	0.495	0.34	-550.	-187.	-40.	-244.	325.	-2.	0.06	18.	48.	35.	1.
26212	DES0A3	DISTIL	-0.317	0.	-0.317	0.448	0.14	-156.	50.	4.	-18.	271.	-1.	0.39	-4.	0.	56.	-8.
26212	DES0A3	DISTIL	-1.884	0.	-1.884	2.660	0.25	-3872.	-205.	4.	-3034.	1180.	67.	-0.66	14.	207.	52.	-54.
26212	DES0A3	RESIDU	-0.317	0.	-0.317	0.448	0.14	-431.	-119.	-3.	-287.	126.	24.	-0.21	-4.	0.	50.	-2.
26212	DES0A3	RESIDU	-1.884	0.	-1.884	2.660	0.25	-8330.	-709.	-15.	-7474.	746.	142.	-2.44	14.	207.	46.	-34.
26212	GTSOAR	DISTIL	-0.225	0.	-0.225	0.448	0.24	-40.	-37.	0.	103.	202.	18.	0.59	28.	0.	29.	0.
26212	GTSOAR	DISTIL	-0.401	0.	-0.401	0.799	0.31	-111.	-65.	0.	143.	360.	31.	0.62	54.	33.	27.	-1.

NEWELL PAGE PRINTING SYSTEM - 8115-8

DATE 06/08/79

GENERAL ELECTRIC COMPANY

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING***** - - EMISSIONS SAVING - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX						PART	
MMH																		
26212	GTRA08	DISTIL	0.	-0.243	0.	0.205	0.22	-17.	-12.	12.	131.	247.	57.	0.52	20.	0.	35.	-1
26212	GTRA08	DISTIL	0.	-0.725	0.	0.613	0.34	-263.	-148.	3.	171.	598.	102.	0.53	74.	83.	32.	-7
26212	GTRA12	DISTIL	0.	-0.237	0.	0.211	0.23	-15.	-11.	12.	132.	249.	57.	0.53	20.	0.	35.	-1
26212	GTRA12	DISTIL	0.	-0.690	0.	0.613	0.34	-249.	-138.	4.	173.	589.	100.	0.53	73.	80.	31.	-6
26212	GTRA16	DISTIL	0.	-0.236	0.	0.212	0.23	-17.	-10.	12.	131.	249.	57.	0.53	18.	0.	35.	-1
26212	GTRA16	DISTIL	0.	-0.638	0.	0.575	0.34	-229.	-123.	5.	165.	554.	96.	0.53	65.	72.	32.	-6
26212	GTR208	DISTIL	0.	-0.236	0.	0.212	0.23	-23.	-10.	12.	125.	249.	57.	0.52	25.	0.	32.	-1
26212	GTR208	DISTIL	0.	-0.528	0.	0.474	0.32	-185.	-93.	7.	141.	470.	85.	0.52	63.	52.	30.	-3
26212	GTR212	DISTIL	0.	-0.237	0.	0.211	0.23	-21.	-10.	12.	127.	249.	57.	0.52	24.	0.	32.	-1
26212	GTR212	DISTIL	0.	-0.569	0.	0.507	0.33	-201.	-104.	6.	149.	499.	89.	0.52	66.	59.	30.	-4
26212	GTR216	DISTIL	0.	-0.233	0.	0.215	0.23	-18.	-9.	12.	129.	250.	57.	0.52	23.	0.	32.	-1
26212	GTR216	DISTIL	0.	-0.573	0.	0.530	0.34	-202.	-105.	6.	156.	512.	90.	0.53	65.	61.	30.	-4
26212	GTRW08	DISTIL	0.	-0.275	0.	0.173	0.19	-25.	-21.	11.	122.	238.	56.	0.50	20.	0.	38.	-3
26212	GTRW08	DISTIL	0.	-0.979	0.	0.615	0.30	-365.	-219.	-1.	152.	667.	112.	0.49	96.	108.	34.	-13
26212	GTRW12	DISTIL	0.	-0.262	0.	0.185	0.20	-20.	-18.	11.	128.	241.	57.	0.51	20.	0.	37.	-2
26212	GTRW12	DISTIL	0.	-0.948	0.	0.670	0.32	-352.	-211.	-0.	172.	688.	114.	0.51	97.	110.	33.	-11
26212	GTRW16	DISTIL	0.	-0.259	0.	0.188	0.20	-21.	-17.	11.	127.	242.	57.	0.51	20.	0.	37.	-2
26212	GTRW16	DISTIL	0.	-0.867	0.	0.629	0.32	-320.	-188.	1.	165.	645.	108.	0.51	95.	98.	32.	-9
26212	GTR308	DISTIL	0.	-0.288	0.	0.160	0.17	-37.	-25.	11.	110.	234.	56.	0.48	22.	0.	38.	-3
26212	GTR308	DISTIL	0.	-0.783	0.	0.435	0.26	-286.	-164.	2.	109.	516.	93.	0.46	79.	72.	34.	-10
26212	GTR312	DISTIL	0.	-0.256	0.	0.192	0.21	-23.	-16.	11.	125.	243.	57.	0.51	22.	0.	35.	-2
26212	GTR312	DISTIL	0.	-0.742	0.	0.558	0.31	-270.	-153.	3.	152.	573.	99.	0.51	85.	80.	31.	-7
26212	GTR316	DISTIL	0.	-0.257	0.	0.191	0.21	-24.	-16.	11.	124.	243.	57.	0.51	21.	0.	36.	-2
26212	GTR316	DISTIL	0.	-0.734	0.	0.546	0.31	-267.	-150.	3.	148.	564.	98.	0.51	82.	78.	31.	-7
26212	FCPADS	DISTIL	0.	-0.302	0.	0.146	0.16	-10.	-6.	12.	138.	253.	57.	0.54	8.	0.	58.	-10
26212	FCPADS	DISTIL	0.	-1.997	0.	0.919	0.28	-307.	106.	19.	603.	1661.	204.	0.81	87.	222.	55.	-72
26212	FCNCDS	DISTIL	0.	-0.252	0.	0.195	0.21	-28.	-0.	11.	120.	259.	57.	0.52	6.	0.	54.	-8
26212	FCMCDS	DISTIL	0.	-1.256	0.	0.972	0.36	-985.	104.	-3.	-264.	1337.	148.	0.49	59.	167.	50.	-45
26214	STM141	RESIDU	0.	-0.098	0.	0.162	0.25	-34.	-39.	-5.	49.	100.	7.	0.27	20.	0.	17.	5
26214	STM141	RESIDU	0.	-0.132	0.	0.218	0.30	-46.	-53.	-7.	65.	135.	9.	0.32	29.	8.	15.	6
26214	STM141	COAL-F	0.	-0.098	0.	0.162	0.25	-34.	-136.	-5.	52.	18.	26.	0.17	-4.	0.	39.	8
26214	STM141	COAL-F	0.	-0.132	0.	0.218	0.30	-46.	-156.	-7.	69.	47.	30.	0.22	0.	8.	33.	9
26214	STM141	COAL-A	0.	-0.098	0.	0.162	0.25	70.	-136.	-5.	156.	18.	26.	0.35	1.	0.	35.	9
26214	STM141	COAL-A	0.	-0.132	0.	0.218	0.30	65.	-156.	-7.	180.	47.	30.	0.39	16.	8.	22.	11
26214	STM088	RESIDU	0.	-0.097	0.	0.161	0.25	-34.	-39.	-5.	48.	99.	7.	0.27	23.	0.	14.	6
26214	STM088	COAL-F	0.	-0.097	0.	0.161	0.25	-34.	-135.	-5.	52.	17.	26.	0.16	-4.	0.	38.	9
26214	STM088	COAL-A	0.	-0.097	0.	0.161	0.25	70.	-135.	-5.	156.	17.	26.	0.34	9.	0.	26.	10
26214	PFBSTM	COAL-P	0.	-0.101	0.	0.159	0.25	79.	-138.	1.	166.	16.	32.	0.37	-6.	0.	45.	7
26214	PFBSTM	COAL-P	0.	-0.216	0.	0.341	0.36	90.	-207.	10.	272.	109.	59.	0.51	19.	28.	27.	10
26214	TISTMT	RESIDU	0.	-0.100	0.	0.159	0.25	-35.	-40.	-5.	48.	99.	6.	0.26	-29.	0.	65.	-2
26214	TISTMT	RESIDU	0.	-0.183	0.	0.290	0.34	-64.	-73.	-9.	87.	180.	12.	0.36	-37.	20.	57.	-4
26214	TISTMT	COAL	0.	-0.100	0.	0.159	0.25	-35.	-137.	-5.	51.	16.	26.	0.16	-55.	0.	89.	1
26214	TISTMT	COAL	0.	-0.286	0.	0.454	0.40	-100.	-249.	-14.	141.	168.	45.	0.34	-82.	45.	60.	-1
26214	TIHRSG	RESIDU	0.	-0.205	0.	0.054	0.08	-72.	-82.	-10.	10.	54.	-3.	0.11	-53.	0.	102.	-8
26214	TIHRSG	RESIDU	0.	-0.122	0.	0.101	0.16	-43.	-49.	-6.	28.	70.	2.	0.17	-47.	0.	91.	-5
26214	TIHRSG	COAL	0.	-0.142	0.	0.118	0.18	-50.	-162.	-7.	37.	-9.	24.	0.09	-87.	0.	123.	-4

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DATE 06/08/79

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****										*****EMISSIONS SAVINGS*****										CAPITL--ELECTRIC POWER---		
		*****DIRECT*****					-----TOTAL-----					-----DIRECT-----					*****TOTAL*****					EMSR SAVING	TOTAL	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	EXPORT	SAVED				
																				MWH				
26214	TIHRSO	COAL	0.	-0.191	0.	0.158	0.22	-67.	-191.	-10.	48.	11.	27.	0.13	-97.	8.	106.	-5.						
26214	STIRL	DISTIL	0.	-0.145	0.	0.115	0.18	13.	5.	10.	99.	159.	41.	0.52	6.	0.	42.	-3.						
26214	STIRL	DISTIL	0.	-0.301	0.	0.239	0.26	-23.	-39.	8.	154.	268.	55.	0.57	19.	26.	38.	-5.						
26214	STIRL	RESIDU	0.	-0.145	0.	0.115	0.18	-51.	-58.	-10.	32.	80.	-1.	0.19	6.	0.	37.	2.						
26214	STIRL	RESIDU	0.	-0.301	0.	0.239	0.26	-105.	-120.	-27.	66.	166.	-8.	0.27	19.	26.	34.	0.						
26214	STIRL	COAL	0.	-0.145	0.	0.115	0.18	-51.	-164.	-7.	36.	-10.	24.	0.08	-19.	0.	58.	5.						
26214	STIRL	COAL	0.	-0.471	0.	0.374	0.30	-165.	-360.	-24.	110.	114.	42.	0.24	-20.	55.	41.	4.						
26214	HEGT85	COAL-A	0.	-0.223	0.	0.037	0.06	51.	-211.	-11.	137.	-57.	20.	0.17	-37.	0.	81.	1.						
26214	HEGT85	COAL-A	0.	-3.731	0.	0.616	0.13	-612.	-2316.	-187.	789.	73.	86.	0.22	-78.	383.	46.	-43.						
26214	HEGT60	COAL-A	0.	-0.211	0.	0.049	0.08	50.	-204.	-11.	136.	-50.	20.	0.18	-35.	0.	78.	2.						
26214	HEGT60	COAL-A	0.	-1.160	0.	0.267	0.15	-146.	-773.	-58.	316.	19.	42.	0.23	-30.	109.	46.	-7.						
26214	HEGT00	COAL-A	0.	-0.201	0.	0.059	0.09	44.	-198.	-10.	130.	-44.	21.	0.18	-31.	0.	73.	2.						
26214	HEGT00	COAL-A	0.	-0.446	0.	0.131	0.14	-16.	-345.	-22.	172.	-18.	27.	0.21	-25.	30.	52.	1.						
26214	FCMCCL	COAL	0.	-0.697	0.	0.331	0.23	134.	154.	17.	468.	728.	93.	1.00	-6.	72.	41.	0.						
26214	FCSTCL	COAL	0.	-0.926	0.	0.666	0.34	134.	154.	16.	649.	1036.	126.	1.00	18.	125.	34.	3.						
26214	IGGTST	COAL	0.	-0.837	0.	0.275	0.18	-293.	-580.	13.	68.	40.	94.	0.15	5.	80.	37.	3.						
26214	GTSCAR	RESIDU	-0.144	0.	-0.144	0.260	0.18	-25.	-54.	-1.	58.	86.	14.	0.37	13.	0.	30.	3.						
26214	GTSCAR	RESIDU	-0.387	0.	-0.387	0.700	0.29	-120.	-146.	-3.	105.	237.	38.	0.45	44.	41.	26.	2.						
26214	GTAC08	RESIDU	0.	-0.121	0.	0.138	0.21	-65.	-49.	-8.	18.	90.	2.	0.19	15.	0.	25.	4.						
26214	GTAC08	RESIDU	0.	-0.251	0.	0.286	0.31	-193.	-100.	-24.	-22.	186.	-2.	0.19	39.	26.	21.	5.						
26214	GTAC12	RESIDU	0.	-0.124	0.	0.136	0.21	-57.	-49.	-8.	26.	89.	3.	0.20	14.	0.	26.	3.						
26214	GTAC12	RESIDU	0.	-0.320	0.	0.352	0.33	-234.	-126.	-29.	-20.	230.	-2.	0.22	46.	39.	22.	5.						
26214	GTAC16	RESIDU	0.	-0.126	0.	0.133	0.21	-54.	-51.	-7.	28.	88.	3.	0.21	14.	0.	27.	3.						
26214	GTAC16	RESIDU	0.	-0.372	0.	0.393	0.34	-265.	-149.	-33.	-22.	258.	-3.	0.22	50.	47.	23.	4.						
26214	GTWC16	RESIDU	0.	-0.138	0.	0.121	0.19	-60.	-55.	-8.	23.	83.	2.	0.18	14.	0.	29.	3.						
26214	GTWC16	RESIDU	0.	-0.424	0.	0.373	0.32	-297.	-170.	-37.	-43.	253.	-7.	0.19	54.	50.	24.	3.						
26214	CC1626	RESIDU	0.	-0.139	0.	0.120	0.19	-49.	-56.	-7.	34.	82.	3.	0.20	14.	0.	30.	3.						
26214	CC1626	RESIDU	0.	-0.687	0.	0.593	0.36	-454.	-275.	-57.	-47.	405.	-9.	0.23	64.	96.	25.	2.						
26214	CC1622	RESIDU	0.	-0.133	0.	0.126	0.20	-47.	-53.	-7.	35.	85.	3.	0.21	14.	0.	29.	3.						
26214	CC1622	RESIDU	0.	-0.592	0.	0.560	0.36	-397.	-237.	-50.	-31.	375.	-5.	0.24	72.	84.	25.	3.						
26214	CC1222	RESIDU	0.	-0.132	0.	0.127	0.20	-47.	-53.	-7.	36.	85.	3.	0.21	14.	0.	28.	3.						
26214	CC1222	RESIDU	0.	-0.584	0.	0.563	0.37	-392.	-234.	-49.	-28.	376.	-5.	0.24	74.	83.	24.	3.						
26214	CC0822	RESIDU	0.	-0.123	0.	0.136	0.21	-47.	-49.	-7.	36.	89.	4.	0.22	14.	0.	27.	3.						
26214	CC0822	RESIDU	0.	-0.434	0.	0.480	0.37	-302.	-174.	-38.	-11.	313.	-1.	0.25	63.	61.	22.	5.						
26214	STIG15	RESIDU	0.	-0.215	0.	0.045	0.07	-75.	-86.	-11.	7.	50.	-4.	0.09	10.	0.	43.	-1.						
26214	STIG15	RESIDU	0.	-24.815	0.	5.189	0.17	-14931.	-9926.	-741.	-5464.	5739.	43.	0.01	1875.	2790.	37.	-384.						
26214	STIG10	RESIDU	0.	-0.195	0.	0.064	0.10	-72.	-78.	-9.	10.	58.	-2.	0.11	14.	0.	37.	1.						
26214	STIG10	RESIDU	0.	-2.087	0.	0.688	0.22	-1294.	-835.	-59.	-417.	620.	22.	0.08	172.	236.	34.	-24.						
26214	STIG13	RESIDU	0.	-0.186	0.	0.073	0.11	-73.	-75.	-9.	9.	62.	-1.	0.12	15.	0.	35.	1.						
26214	STIG13	RESIDU	0.	-1.169	0.	0.459	0.23	-743.	-467.	-32.	-228.	388.	18.	0.10	107.	128.	32.	-10.						
26214	DEADV3	RESIDU	0.	-0.170	0.	0.090	0.14	-63.	-68.	-9.	19.	69.	-0.	0.15	4.	0.	42.	0.						
26214	DEADV3	RESIDU	0.	-1.213	0.	0.640	0.29	-1253.	-485.	-97.	-666.	492.	-36.	-0.10	45.	149.	39.	-17.						
26214	DEHTPM	RESIDU	0.	-0.126	0.	0.134	0.21	-66.	-50.	-7.	16.	88.	3.	0.19	3.	0.	38.	2.						
26214	DEHTPM	RESIDU	0.	-0.379	0.	0.402	0.34	-461.	-152.	-33.	-212.	264.	-2.	0.05	17.	49.	35.	-1.						
26214	DES0A3	DISTIL	-0.184	0.	-0.184	0.260	0.12	4.	53.	3.	83.	178.	-4.	0.59	-1.	0.	54.	-5.						
26214	DES0A3	DISTIL	-1.531	0.	-1.531	2.161	0.25	-3190.	-166.	3.	-2509.	958.	54.	-0.68	13.	178.	51.	-45.						

KEYWELL PAGE PRINTING SYSTEM - 2188-02

DATE 05/08/79

GENERAL ELECTRIC COMPANY

PAGE 21

ISE PEO AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
26214	DESOA3	RESIDU	-0.184	0.	-0.184	0.260	0.12	-71.	-69.	-1.	13.	73.	14.	0.23	-1.	0.	49.	-1.
26214	DESOA3	RESIDU	-1.531	0.	-1.531	2.161	0.25	-6861.	-576.	-12.	-6165.	606.	116.	-2.48	13.	178.	46.	-29.
26214	GTSOAD	DISTIL	-0.130	0.	-0.130	0.260	0.20	-15.	-21.	0.	69.	117.	10.	0.57	16.	0.	30.	-1.
26214	GTSOAD	DISTIL	-0.326	0.	-0.326	0.649	0.31	-95.	-53.	0.	112.	292.	25.	0.61	47.	37.	26.	-2.
26214	GTRA08	DISTIL	0.	-0.141	0.	0.119	0.18	11.	6.	10.	98.	160.	41.	0.52	12.	0.	35.	-2.
26214	GTRA08	DISTIL	0.	-0.589	0.	0.498	0.34	-218.	-120.	3.	135.	486.	82.	0.52	67.	78.	30.	-6.
26214	GTRA12	DISTIL	0.	-0.138	0.	0.122	0.19	12.	7.	10.	99.	161.	41.	0.52	12.	0.	34.	-2.
26214	GTRA12	DISTIL	0.	-0.561	0.	0.498	0.34	-207.	-112.	3.	137.	478.	81.	0.53	64.	75.	30.	-6.
26214	GTRA16	DISTIL	0.	-0.137	0.	0.123	0.19	11.	7.	10.	98.	161.	41.	0.52	11.	0.	35.	-2.
26214	GTRA16	DISTIL	0.	-0.519	0.	0.467	0.34	-190.	-100.	4.	130.	450.	78.	0.53	57.	68.	31.	-6.
26214	GTR208	DISTIL	0.	-0.137	0.	0.123	0.19	8.	7.	10.	94.	161.	41.	0.51	13.	0.	33.	-1.
26214	GTR208	DISTIL	0.	-0.429	0.	0.385	0.32	-154.	-75.	5.	111.	382.	69.	0.51	52.	52.	29.	-4.
26214	GTR212	DISTIL	0.	-0.137	0.	0.122	0.19	9.	7.	10.	95.	161.	41.	0.51	13.	0.	34.	-2.
26214	GTR212	DISTIL	0.	-0.462	0.	0.412	0.33	-167.	-84.	5.	117.	405.	72.	0.52	54.	58.	30.	-5.
26214	GTR216	DISTIL	0.	-0.135	0.	0.125	0.19	10.	8.	10.	97.	161.	41.	0.52	12.	0.	34.	-2.
26214	GTR216	DISTIL	0.	-0.465	0.	0.431	0.34	-168.	-85.	5.	123.	416.	73.	0.52	53.	60.	30.	-5.
26214	GTRW08	DISTIL	0.	-0.160	0.	0.100	0.16	6.	1.	10.	93.	154.	41.	0.50	13.	0.	38.	-3.
26214	GTRW08	DISTIL	0.	-0.796	0.	0.500	0.30	-301.	-178.	-1.	119.	542.	91.	0.49	83.	97.	33.	-11.
26214	GTRW12	DISTIL	0.	-0.152	0.	0.108	0.17	9.	3.	10.	96.	156.	41.	0.51	13.	0.	36.	-2.
26214	GTRW12	DISTIL	0.	-0.770	0.	0.544	0.32	-290.	-171.	-0.	135.	559.	93.	0.51	85.	99.	31.	-10.
26214	GTRW16	DISTIL	0.	-0.150	0.	0.109	0.17	9.	3.	10.	95.	157.	41.	0.51	12.	0.	37.	-2.
26214	GTRW16	DISTIL	0.	-0.704	0.	0.511	0.32	-264.	-153.	1.	130.	524.	88.	0.51	77.	90.	32.	-9.
26214	GTR308	DISTIL	0.	-0.167	0.	0.093	0.14	-1.	-1.	10.	86.	152.	41.	0.48	13.	0.	38.	-3.
26214	GTR308	DISTIL	0.	-0.636	0.	0.353	0.26	-237.	-133.	2.	85.	419.	76.	0.46	66.	68.	33.	-10.
26214	GTR312	DISTIL	0.	-0.148	0.	0.111	0.17	8.	4.	10.	94.	158.	41.	0.51	13.	0.	35.	-2.
26214	GTR312	DISTIL	0.	-0.603	0.	0.453	0.31	-224.	-124.	2.	119.	465.	80.	0.50	69.	75.	31.	-7.
26214	GTR316	DISTIL	0.	-0.149	0.	0.111	0.17	7.	4.	10.	94.	157.	41.	0.50	13.	0.	36.	-2.
26214	GTR316	DISTIL	0.	-0.596	0.	0.444	0.31	-221.	-122.	3.	117.	458.	80.	0.50	66.	73.	31.	-7.
26214	FCPADS	DISTIL	0.	-0.175	0.	0.085	0.13	6.	-3.	10.	93.	150.	41.	0.49	6.	0.	57.	-7.
26214	FCPADS	DISTIL	0.	-1.542	0.	0.747	0.28	-248.	93.	16.	491.	1356.	166.	0.82	72.	190.	54.	-60.
26214	FCNCDS	DISTIL	0.	-0.146	0.	0.113	0.18	13.	4.	10.	99.	158.	41.	0.51	5.	0.	52.	-5.
26214	FCMCDS	DISTIL	0.	-1.021	0.	0.790	0.36	-813.	91.	-2.	-227.	1093.	120.	0.49	50.	145.	50.	-38.
26216	STM141	RESIDU	0.	-0.061	0.	0.101	0.21	-21.	-24.	-3.	30.	63.	4.	0.22	14.	0.	19.	3.
26216	STM141	COAL-F	0.	-0.061	0.	0.101	0.21	-21.	-97.	-3.	33.	1.	19.	0.12	-0.	0.	35.	7.
26216	STM141	COAL-A	0.	-0.061	0.	0.101	0.21	57.	-97.	-3.	111.	1.	19.	0.30	7.	0.	25.	8.
26216	STM088	RESIDU	0.	-0.044	0.	0.073	0.15	-15.	-18.	-2.	22.	45.	3.	0.16	10.	0.	31.	2.
26216	STM088	COAL-F	0.	-0.044	0.	0.073	0.15	-15.	-87.	-2.	25.	-14.	17.	0.06	-2.	0.	42.	6.
26216	STM088	COAL-A	0.	-0.044	0.	0.073	0.15	59.	-87.	-2.	99.	-14.	17.	0.24	4.	0.	33.	6.
26216	PFBSTM	COAL-P	0.	-0.070	0.	0.109	0.23	72.	-103.	6.	132.	4.	29.	0.38	-6.	0.	47.	5.
26216	PFBSTM	COAL-P	0.	-0.104	0.	0.162	0.29	76.	-123.	9.	163.	32.	37.	0.45	3.	8.	32.	7.
26216	TISTMT	RESIDU	0.	-0.069	0.	0.110	0.23	-24.	-28.	-3.	33.	68.	4.	0.24	-23.	0.	70.	-2.
26216	TISTMT	RESIDU	0.	-0.138	0.	0.218	0.33	-48.	-55.	-7.	65.	136.	9.	0.35	-35.	17.	61.	-4.
26216	TISTMT	COAL	0.	-0.069	0.	0.110	0.23	-24.	-102.	-3.	36.	5.	19.	0.14	-44.	0.	97.	1.
26216	TISTMT	COAL	0.	-0.138	0.	0.218	0.33	-48.	-143.	-7.	69.	61.	26.	0.26	-56.	17.	72.	-0.
26216	TIHRSG	RESIDU	0.	-0.096	0.	0.080	0.17	-34.	-38.	-5.	22.	55.	2.	0.18	-42.	0.	100.	-5.
26216	TIHRSG	COAL	0.	-0.096	0.	0.080	0.17	-34.	-118.	-5.	25.	-13.	18.	0.07	-61.	0.	123.	-2.

NEWELL PAGE PRINTING SYSTEM - P1101-2

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 22

ISE PEG AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

D

EMISSION UNITS=
COST = \$*10**9

TIME 1990

LEVEL ALL

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING S*****- - EMISSIONS SAVING S - - -										CAPITL--ELECTRIC POWER---		COST	LAEC			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING			TOTAL	EXPORT	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX							PART
MWH																		
26216	STIRL	DISTIL	0.	-0.100	0.	0.079	0.16	13.	8.	8.	73.	115.	31.	0.51	7.	0.	38.	-2.
26216	STIRL	DISTIL	0.	-0.237	0.	0.188	0.26	-18.	-31.	6.	121.	211.	43.	0.57	16.	23.	37.	-4.
26216	STIRL	RESIDU	0.	-0.100	0.	0.079	0.16	-35.	-40.	-11.	22.	55.	-4.	0.17	7.	0.	34.	1.
26216	STIRL	RESIDU	0.	-0.237	0.	0.188	0.26	-83.	-95.	-26.	52.	131.	-10.	0.26	16.	23.	33.	0.
26216	STIRL	COAL	0.	-0.100	0.	0.079	0.16	-35.	-121.	-5.	25.	-13.	18.	0.07	-13.	0.	57.	4.
26216	STIRL	COAL	0.	-0.237	0.	0.188	0.26	-83.	-203.	-12.	56.	39.	25.	0.18	-10.	23.	42.	4.
26216	HEGT85	COAL-A	0.	-0.154	0.	0.025	0.05	36.	-153.	-8.	96.	-46.	15.	0.15	-31.	0.	88.	1.
26216	HEGT85	COAL-A	0.	-1.878	0.	0.310	0.12	-290.	-1187.	-94.	417.	18.	48.	0.21	-37.	188.	45.	-19.
26216	HEGT60	COAL-A	0.	-0.146	0.	0.033	0.07	35.	-148.	-7.	95.	-41.	15.	0.16	-29.	0.	84.	1.
26216	HEGT60	COAL-A	0.	-0.584	0.	0.134	0.13	-55.	-411.	-29.	178.	-9.	25.	0.21	-34.	51.	52.	-4.
26216	HEGT00	COAL-A	0.	-0.139	0.	0.041	0.08	31.	-144.	-7.	91.	-37.	16.	0.16	-25.	0.	78.	2.
26216	HEGT00	COAL-A	0.	-0.225	0.	0.066	0.11	10.	-195.	-11.	106.	-28.	18.	0.18	-22.	10.	60.	2.
26216	FCMCCL	COAL	0.	-0.084	0.	0.096	0.20	37.	2.	5.	97.	109.	28.	0.54	-22.	0.	70.	3.
26216	FCMCCL	COAL	0.	-0.241	0.	0.276	0.34	106.	121.	14.	275.	413.	57.	1.00	-14.	32.	42.	3.
26216	FCSTCL	COAL	0.	-0.080	0.	0.099	0.21	24.	-19.	3.	84.	86.	26.	0.46	-21.	0.	68.	3.
26216	FCSTCL	COAL	0.	-0.348	0.	0.432	0.40	106.	121.	14.	359.	557.	72.	1.00	-5.	56.	36.	4.
26216	IGGTST	COAL	0.	-0.101	0.	0.079	0.16	-35.	-121.	4.	25.	-14.	27.	0.09	-20.	0.	66.	3.
26216	IGGTST	COAL	0.	-0.304	0.	0.237	0.28	-106.	-243.	12.	70.	62.	56.	0.25	-7.	34.	38.	5.
26216	GTSGAR	RESIDU	-0.099	0.	-0.099	0.179	0.17	-39.	-37.	-1.	19.	61.	10.	0.28	10.	0.	29.	2.
26216	GTSGAR	RESIDU	-0.305	0.	-0.305	0.551	0.29	-119.	-115.	-2.	59.	187.	30.	0.42	36.	35.	26.	2.
26216	GTAC08	RESIDU	0.	-0.084	0.	0.095	0.20	-82.	-34.	-10.	-25.	62.	-3.	0.08	12.	0.	23.	3.
26216	GTAC08	RESIDU	0.	-0.198	0.	0.225	0.31	-195.	-79.	-23.	-60.	146.	-6.	0.12	30.	23.	21.	3.
26216	GTAC12	RESIDU	0.	-0.085	0.	0.094	0.19	-77.	-34.	-9.	-20.	61.	-2.	0.09	11.	0.	24.	3.
26216	GTAC12	RESIDU	0.	-0.252	0.	0.277	0.33	-227.	-101.	-27.	-59.	181.	-6.	0.15	36.	33.	22.	3.
26216	GTAC16	RESIDU	0.	-0.087	0.	0.092	0.19	-75.	-35.	-9.	-18.	60.	-2.	0.09	11.	0.	26.	2.
26216	GTAC16	RESIDU	0.	-0.293	0.	0.309	0.34	-252.	-117.	-30.	-60.	203.	-7.	0.17	39.	40.	23.	3.
26216	GTWC16	RESIDU	0.	-0.095	0.	0.084	0.17	-79.	-38.	-10.	-22.	57.	-3.	0.07	11.	0.	27.	2.
26216	GTWC16	RESIDU	0.	-0.334	0.	0.293	0.32	-276.	-134.	-34.	-77.	200.	-10.	0.13	42.	42.	24.	2.
26216	CC1626	RESIDU	0.	-0.096	0.	0.083	0.17	-72.	-39.	-9.	-15.	57.	-2.	0.09	11.	0.	28.	2.
26216	CC1626	RESIDU	0.	-0.529	0.	0.454	0.35	-393.	-212.	-48.	-81.	310.	-11.	0.18	64.	75.	25.	1.
26216	CC1622	RESIDU	0.	-0.092	0.	0.087	0.18	-71.	-37.	-9.	-14.	58.	-2.	0.10	11.	0.	27.	2.
26216	CC1622	RESIDU	0.	-0.456	0.	0.428	0.36	-349.	-182.	-43.	-68.	287.	-9.	0.19	56.	66.	25.	2.
26216	CC1222	RESIDU	0.	-0.092	0.	0.088	0.18	-70.	-37.	-9.	-13.	59.	-2.	0.10	11.	0.	26.	2.
26216	CC1222	RESIDU	0.	-0.449	0.	0.430	0.36	-345.	-180.	-42.	-66.	288.	-8.	0.20	57.	66.	24.	2.
26216	CC0822	RESIDU	0.	-0.085	0.	0.094	0.19	-71.	-34.	-9.	-14.	61.	-1.	0.11	11.	0.	25.	2.
26216	CC0822	RESIDU	0.	-0.333	0.	0.366	0.37	-275.	-133.	-33.	-53.	239.	-5.	0.20	47.	49.	22.	3.
26216	STIG15	RESIDU	0.	-0.148	0.	0.031	0.06	-89.	-59.	-4.	-33.	34.	0.	0.00	6.	0.	45.	-1.
26216	STIG15	RESIDU	0.	-19.534	0.	4.085	0.17	-11796.	-7813.	-580.	-4344.	4517.	37.	0.01	1471.	2198.	37.	-303.
26216	STIG10	RESIDU	0.	-0.135	0.	0.044	0.09	-87.	-54.	-4.	-30.	40.	2.	0.03	10.	0.	37.	0.
26216	STIG10	RESIDU	0.	-1.643	0.	0.541	0.22	-1062.	-657.	-43.	-371.	488.	20.	0.06	135.	188.	34.	-19.
26216	STIG1S	RESIDU	0.	-0.129	0.	0.051	0.10	-88.	-51.	-3.	-31.	43.	2.	0.03	10.	0.	35.	1.
26216	STIG1S	RESIDU	0.	-0.920	0.	0.361	0.23	-628.	-368.	-22.	-222.	305.	18.	0.07	83.	103.	32.	-8.
26216	DEADV3	RESIDU	0.	-0.117	0.	0.062	0.13	-134.	-47.	-10.	-77.	48.	-4.	-0.08	4.	0.	41.	0.
26216	DEADV3	RESIDU	0.	-0.955	0.	0.504	0.29	-1089.	-382.	-81.	-627.	387.	-33.	-0.17	36.	120.	39.	-13.
26216	DEHTPM	RESIDU	0.	-0.087	0.	0.092	0.19	-136.	-35.	-9.	-79.	61.	-2.	-0.05	5.	0.	35.	1.
26216	DEHTPM	RESIDU	0.	-0.298	0.	0.317	0.34	-466.	-119.	-31.	-270.	208.	-6.	-0.08	14.	41.	34.	-1.

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				CAPITL--ELECTRIC POWER---			
		ECS	*****DIRECT*****	*****TOTAL*****	FESR	*****DIRECT*****	*****TOTAL*****	*****DIRECT*****	*****TOTAL*****	EMSR	SAVING	TOTAL	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
26216	DES0A3	DISTIL	-0.127	0.	-0.127	0.179	0.11	-275.	44.	2.	-221.	129.	-4.-0.30
26216	DES0A3	DISTIL	-1.205	0.	-1.205	1.701	0.25	-2832.	-131.	2.	-2296.	754.	43.-0.87
26216	DES0A3	RESIDU	-0.127	0.	-0.127	0.179	0.11	-640.	-48.	-1.	-582.	50.	10.-1.65
26216	DES0A3	RESIDU	-1.205	0.	-1.205	1.701	0.25	-6075.	-454.	-10.	-5528.	477.	91.-2.87
26216	GTS0AD	DISTIL	-0.090	0.	-0.090	0.179	0.18	-37.	-15.	0.	20.	81.	7.0.44
26216	GTS0AD	DISTIL	-0.257	0.	-0.257	0.511	0.31	-104.	-42.	0.	58.	230.	20.0.56
26216	GTRA08	DISTIL	0.	-0.097	0.	0.082	0.17	-13.	9.	8.	47.	116.	31.0.45
26216	GTRA08	DISTIL	0.	-0.464	0.	0.392	0.34	-201.	-95.	2.	77.	382.	65.0.49
26216	GTRA12	DISTIL	0.	-0.095	0.	0.084	0.17	-13.	9.	8.	47.	116.	31.0.45
26216	GTRA12	DISTIL	0.	-0.441	0.	0.392	0.34	-192.	-88.	3.	79.	377.	64.0.50
26216	GTRA16	DISTIL	0.	-0.094	0.	0.085	0.18	-13.	9.	8.	47.	116.	31.0.45
26216	GTRA16	DISTIL	0.	-0.408	0.	0.368	0.34	-178.	-79.	3.	74.	355.	61.0.50
26216	GTR208	DISTIL	0.	-0.094	0.	0.085	0.18	-16.	9.	8.	44.	116.	31.0.44
26216	GTR208	DISTIL	0.	-0.338	0.	0.303	0.32	-150.	-59.	4.	58.	301.	54.0.48
26216	GTR212	DISTIL	0.	-0.095	0.	0.084	0.17	-15.	9.	8.	45.	116.	31.0.45
26216	GTR212	DISTIL	0.	-0.364	0.	0.324	0.33	-161.	-66.	4.	63.	319.	57.0.48
26216	GTR216	DISTIL	0.	-0.093	0.	0.086	0.18	-14.	10.	8.	46.	117.	31.0.45
26216	GTR216	DISTIL	0.	-0.366	0.	0.339	0.34	-162.	-67.	4.	67.	328.	58.0.49
26216	GTRW08	DISTIL	0.	-0.110	0.	0.069	0.14	-17.	5.	8.	43.	112.	31.0.43
26216	GTRW08	DISTIL	0.	-0.626	0.	0.393	0.30	-266.	-140.	-1.	65.	426.	72.0.46
26216	GTRW12	DISTIL	0.	-0.105	0.	0.074	0.15	-15.	6.	8.	45.	113.	31.0.44
26216	GTRW12	DISTIL	0.	-0.606	0.	0.428	0.32	-258.	-135.	-0.	77.	440.	73.0.48
26216	GTRW16	DISTIL	0.	-0.104	0.	0.075	0.16	-15.	7.	8.	45.	114.	31.0.44
26216	GTRW16	DISTIL	0.	-0.555	0.	0.403	0.32	-237.	-120.	1.	73.	412.	69.0.48
26216	GTR308	DISTIL	0.	-0.115	0.	0.064	0.13	-22.	4.	8.	38.	111.	31.0.42
26216	GTR308	DISTIL	0.	-0.500	0.	0.278	0.26	-215.	-105.	2.	37.	330.	60.0.43
26216	GTR312	DISTIL	0.	-0.102	0.	0.077	0.16	-16.	7.	8.	44.	114.	31.0.44
26216	GTR312	DISTIL	0.	-0.475	0.	0.357	0.31	-205.	-98.	2.	65.	366.	63.0.48
26216	GTR316	DISTIL	0.	-0.103	0.	0.076	0.16	-16.	7.	8.	44.	114.	31.0.44
26216	GTR316	DISTIL	0.	-0.469	0.	0.349	0.31	-203.	-96.	2.	63.	361.	63.0.47
26216	FCPADS	DISTIL	0.	-0.121	0.	0.058	0.12	14.	44.	11.	74.	152.	33.0.60
26216	FCPADS	DISTIL	0.	-1.214	0.	0.588	0.28	-190.	121.	15.	392.	1116.	134.0.85
26216	FCMCDS	DISTIL	0.	-0.101	0.	0.078	0.16	-60.	46.	9.	0.	154.	31.0.43
26216	FCMCDS	DISTIL	0.	-0.803	0.	0.622	0.36	-729.	120.	-1.	-269.	908.	95.0.46
26217	STM141	RESIDU	0.	-0.033	0.	0.055	0.12	-12.	-13.	-2.	16.	34.	2.0.13
26217	STM141	COAL-F	0.	-0.033	0.	0.055	0.12	-12.	-56.	-2.	18.	-2.	11.0.06
26217	STM141	COAL-A	0.	-0.033	0.	0.055	0.12	34.	-56.	-2.	64.	-2.	11.0.17
26217	STM080	RESIDU	0.	-0.023	0.	0.038	0.08	-8.	-9.	-1.	12.	24.	2.0.09
26217	STM088	COAL-F	0.	-0.023	0.	0.038	0.08	-8.	-50.	-1.	13.	-11.	10.0.03
26217	STM088	COAL-A	0.	-0.023	0.	0.038	0.08	36.	-50.	-1.	57.	-11.	10.0.13
26217	PFBSTM	COAL-P	0.	-0.058	0.	0.091	0.20	45.	-71.	5.	95.	16.	22.0.32
26217	TISTMT	RESIDU	0.	-0.078	0.	0.124	0.27	-27.	-31.	-4.	37.	77.	5.0.28
26217	TISTMT	COAL	0.	-0.078	0.	0.124	0.27	-27.	-83.	-4.	39.	33.	15.0.21
26217	TIHRSG	RESIDU	0.	-0.057	0.	0.047	0.10	-20.	-23.	-3.	13.	33.	1.0.11
26217	TIHRSG	COAL	0.	-0.057	0.	0.047	0.10	-20.	-70.	-3.	15.	-8.	11.0.04
26217	STIRL	DISTIL	0.	-0.141	0.	0.112	0.24	-11.	-18.	4.	72.	126.	26.0.53

NEVELL PAGE PRINTING SYSTEM - 81101-01

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		FESR		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MMH																		
26217	STIRL	RESIDU	0.	-0.141	0.	0.112	0.24	-49.	-57.	-16.	31.	78.	-6.	0.25	7.	0.	37.	2.
26217	STIRL	COAL	0.	-0.141	0.	0.112	0.24	-49.	-121.	-7.	34.	23.	15.	0.17	-8.	0.	44.	4.
26217	HEGT85	COAL-A	0.	-0.241	0.	0.040	0.09	-7.	-181.	-12.	85.	-22.	12.	0.18	-38.	0.	77.	-1.
26217	HEGT85	COAL-A	0.	-1.119	0.	0.185	0.12	-173.	-708.	-56.	248.	11.	28.	0.21	-46.	96.	50.	-12.
26217	HEGT60	COAL-A	0.	-0.228	0.	0.052	0.11	-8.	-173.	-11.	84.	-14.	12.	0.20	-33.	0.	71.	-1.
26217	HEGT60	COAL-A	0.	-0.348	0.	0.080	0.13	-33.	-245.	-17.	106.	-5.	15.	0.21	-33.	14.	60.	-1.
26217	HEGT00	COAL-A	0.	-0.134	0.	0.039	0.09	6.	-117.	-7.	63.	-16.	11.	0.14	-21.	0.	61.	1.
26217	FCMCCL	COAL	0.	-0.131	0.	0.150	0.32	57.	62.	7.	149.	221.	31.	0.96	-19.	0.	53.	3.
26217	FCMCCL	COAL	0.	-0.144	0.	0.165	0.34	63.	72.	8.	164.	246.	34.	1.00	-16.	3.	49.	3.
26217	FCSTCL	COAL	0.	-0.125	0.	0.155	0.34	39.	31.	5.	131.	190.	29.	0.83	-19.	0.	54.	3.
26217	FCSTCL	COAL	0.	-0.202	0.	0.249	0.39	63.	72.	8.	209.	324.	42.	1.00	-13.	16.	42.	4.
26217	IGGTST	COAL	0.	-0.159	0.	0.122	0.26	-55.	-131.	7.	36.	27.	30.	0.22	-16.	0.	50.	3.
26217	IGGTST	COAL	0.	-0.176	0.	0.135	0.27	-61.	-141.	7.	40.	34.	33.	0.24	-13.	3.	46.	4.
26217	GTSOAR	RESIDU	-0.155	0.	-0.155	0.280	0.27	-60.	-58.	-1.	30.	95.	15.	0.40	13.	0.	30.	3.
26217	GTSOAR	RESIDU	-0.182	0.	-0.182	0.329	0.29	-71.	-68.	-1.	35.	111.	18.	0.42	17.	5.	29.	3.
26217	GTAC08	RESIDU	0.	-0.118	0.	0.134	0.29	-116.	-47.	-14.	-36.	87.	-4.	0.11	14.	0.	28.	4.
26217	GTAC12	RESIDU	0.	-0.134	0.	0.147	0.32	-120.	-53.	-14.	-31.	96.	-3.	0.15	15.	0.	26.	4.
26217	GTAC12	RESIDU	0.	-0.150	0.	0.165	0.33	-135.	-60.	-16.	-35.	108.	-4.	0.15	18.	3.	25.	4.
26217	GTAC16	RESIDU	0.	-0.136	0.	0.144	0.31	-117.	-55.	-14.	-28.	95.	-3.	0.15	13.	0.	28.	3.
26217	GTAC16	RESIDU	0.	-0.175	0.	0.184	0.34	-150.	-70.	-18.	-36.	121.	-4.	0.17	19.	7.	26.	4.
26217	GTWC16	RESIDU	0.	-0.149	0.	0.131	0.28	-123.	-60.	-15.	-34.	89.	-4.	0.12	14.	0.	30.	3.
26217	GTWC16	RESIDU	0.	-0.199	0.	0.175	0.32	-165.	-80.	-20.	-46.	119.	-6.	0.13	21.	9.	27.	3.
26217	CC1626	RESIDU	0.	-0.151	0.	0.129	0.28	-113.	-61.	-14.	-24.	88.	-3.	0.14	13.	0.	31.	3.
26217	CC1626	RESIDU	0.	-0.308	0.	0.262	0.35	-230.	-123.	-28.	-49.	179.	-7.	0.18	33.	27.	27.	3.
26217	CC1622	RESIDU	0.	-0.145	0.	0.135	0.29	-112.	-58.	-14.	-23.	91.	-3.	0.16	13.	0.	30.	3.
26217	CC1622	RESIDU	0.	-0.265	0.	0.247	0.36	-204.	-106.	-25.	-41.	166.	-5.	0.19	28.	22.	27.	3.
26217	CC1222	RESIDU	0.	-0.144	0.	0.137	0.30	-111.	-58.	-14.	-22.	91.	-3.	0.16	13.	0.	30.	3.
26217	CC1222	RESIDU	0.	-0.261	0.	0.248	0.36	-202.	-104.	-25.	-40.	166.	-5.	0.19	29.	21.	26.	3.
26217	CC0822	RESIDU	0.	-0.134	0.	0.146	0.32	-112.	-54.	-14.	-23.	96.	-2.	0.17	14.	0.	28.	3.
26217	CC0822	RESIDU	0.	-0.193	0.	0.210	0.36	-161.	-77.	-20.	-33.	138.	-3.	0.19	23.	11.	25.	4.
26217	STIG15	RESIDU	0.	-0.232	0.	0.048	0.11	-140.	-93.	-7.	-52.	54.	0.	0.01	12.	0.	42.	-1.
26217	STIG15	RESIDU	0.	-11.644	0.	2.435	0.17	-7031.	-4658.	-346.	-2589.	2693.	22.	0.01	867.	1294.	37.	-180.
26217	STIG10	RESIDU	0.	-0.211	0.	0.069	0.15	-136.	-84.	-6.	-48.	63.	3.	0.04	13.	0.	39.	0.
26217	STIG10	RESIDU	0.	-0.979	0.	0.323	0.22	-633.	-392.	-26.	-221.	291.	12.	0.06	78.	96.	34.	-9.
26217	STIG1S	RESIDU	0.	-0.201	0.	0.079	0.17	-137.	-81.	-5.	-49.	67.	4.	0.05	14.	0.	37.	1.
26217	STIG1S	RESIDU	0.	-0.548	0.	0.215	0.23	-374.	-219.	-13.	-133.	182.	10.	0.07	47.	45.	33.	-3.
26217	DEADV3	RESIDU	0.	-0.183	0.	0.097	0.21	-209.	-73.	-16.	-120.	74.	-6.	-0.13	4.	0.	43.	0.
26217	DEADV3	RESIDU	0.	-0.569	0.	0.300	0.29	-649.	-228.	-48.	-374.	231.	-20.	-0.17	19.	55.	40.	-6.
26217	DEHTPM	RESIDU	0.	-0.136	0.	0.144	0.31	-212.	-54.	-14.	-123.	95.	-3.	-0.07	3.	0.	37.	2.
26217	DEHTPM	RESIDU	0.	-0.178	0.	0.189	0.34	-278.	-71.	-18.	-161.	124.	-4.	-0.08	6.	8.	36.	2.
26217	DESOA3	DISTIL	-0.199	0.	-0.199	0.280	0.18	-456.	6.	1.	-368.	148.	3.	-0.62	-1.	0.	55.	-4.
26217	DESOA3	DISTIL	-0.718	0.	-0.718	1.014	0.25	-1688.	-78.	1.	-1369.	450.	26.	-0.87	4.	69.	52.	-19.
26217	DESOA3	RESIDU	-0.199	0.	-0.199	0.280	0.18	-1001.	-75.	-2.	-911.	79.	15.	-2.34	-1.	0.	49.	-1.
26217	DESOA3	RESIDU	-0.718	0.	-0.718	1.014	0.25	-3621.	-270.	-6.	-3295.	284.	54.	-2.87	4.	69.	46.	-12.
26217	GTSOAR	DISTIL	-0.141	0.	-0.141	0.280	0.30	-57.	-23.	0.	32.	126.	11.	0.55	16.	0.	30.	1.
26217	GTSOAR	DISTIL	-0.153	0.	-0.153	0.305	0.31	-62.	-25.	0.	35.	137.	12.	0.56	19.	2.	29.	1.

NEWELL PAGE PRINTING SYSTEM - P188-02

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GENERAL ELECTRIC COMPANY

PAGE 25

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****										EMISSIONS SAVINGS-----			CAPITL--ELECTRIC POWER---		TOTAL EXPORT	COST LAEC SAVED				
		*****DIRECT*****			-----TOTAL----			-----FESR -----			-----DIRECT-----			*****TOTAL*****					EMSR	SAVING		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART										
																			MMH			
26217	GTRA08	DISTIL	0.	-0.152	0.	0.128	0.28	-56.	-21.	3.	36.	137.	27.	0.48	12.	0.	36.	-0.				
26217	GTRA08	DISTIL	0.	-0.276	0.	0.234	0.34	-120.	-56.	1.	46.	228.	39.	0.49	27.	22.	32.	-1.				
26217	GTRA12	DISTIL	0.	-0.149	0.	0.132	0.29	-55.	-20.	3.	36.	138.	27.	0.48	11.	0.	36.	0.				
26217	GTRA12	DISTIL	0.	-0.263	0.	0.234	0.34	-114.	-53.	1.	47.	224.	38.	0.50	26.	20.	32.	-1.				
26217	GTRA16	DISTIL	0.	-0.147	0.	0.133	0.29	-56.	-20.	3.	36.	139.	27.	0.48	11.	0.	36.	-0.				
26217	GTRA16	DISTIL	0.	-0.243	0.	0.219	0.34	-103.	-47.	2.	44.	211.	36.	0.50	22.	17.	33.	-1.				
26217	GTR208	DISTIL	0.	-0.148	0.	0.133	0.29	-60.	-20.	3.	32.	139.	27.	0.47	13.	0.	34.	0.				
26217	GTR208	DISTIL	0.	-0.201	0.	0.181	0.32	-90.	-35.	3.	35.	179.	32.	0.48	21.	10.	31.	0.				
26217	GTR212	DISTIL	0.	-0.148	0.	0.132	0.29	-59.	-20.	3.	33.	138.	27.	0.47	12.	0.	35.	0.				
26217	GTR212	DISTIL	0.	-0.217	0.	0.193	0.33	-96.	-40.	2.	36.	190.	34.	0.48	22.	12.	32.	-0.				
26217	GTR216	DISTIL	0.	-0.146	0.	0.135	0.29	-57.	-20.	3.	35.	139.	27.	0.48	12.	0.	35.	0.				
26217	GTR216	DISTIL	0.	-0.218	0.	0.202	0.34	-96.	-40.	2.	40.	195.	34.	0.49	21.	13.	32.	-0.				
26217	GTRW08	DISTIL	0.	-0.172	0.	0.108	0.23	-61.	-27.	3.	30.	132.	27.	0.45	12.	0.	39.	-1.				
26217	GTRW08	DISTIL	0.	-0.373	0.	0.235	0.30	-153.	-84.	-0.	39.	254.	43.	0.46	34.	31.	35.	-4.				
26217	GTRW12	DISTIL	0.	-0.164	0.	0.116	0.25	-53.	-25.	3.	34.	134.	27.	0.46	12.	0.	38.	-1.				
26217	GTRW12	DISTIL	0.	-0.361	0.	0.255	0.32	-154.	-80.	-0.	46.	262.	44.	0.48	35.	32.	34.	-3.				
26217	GTRW16	DISTIL	0.	-0.162	0.	0.118	0.26	-58.	-24.	3.	33.	134.	27.	0.46	11.	0.	38.	-1.				
26217	GTRW16	DISTIL	0.	-0.331	0.	0.240	0.32	-141.	-72.	0.	44.	246.	41.	0.48	31.	27.	34.	-3.				
26217	GTR308	DISTIL	0.	-0.180	0.	0.100	0.22	-69.	-29.	3.	23.	129.	27.	0.43	13.	0.	39.	-1.				
26217	GTR308	DISTIL	0.	-0.298	0.	0.166	0.26	-128.	-63.	1.	22.	197.	36.	0.43	26.	17.	36.	-3.				
26217	GTR312	DISTIL	0.	-0.160	0.	0.120	0.26	-60.	-24.	3.	32.	135.	27.	0.46	13.	0.	36.	-0.				
26217	GTR312	DISTIL	0.	-0.283	0.	0.213	0.31	-122.	-58.	1.	39.	218.	38.	0.48	28.	20.	33.	-2.				
26217	GTR316	DISTIL	0.	-0.161	0.	0.120	0.26	-60.	-24.	3.	31.	135.	27.	0.46	12.	0.	37.	-0.				
26217	GTR316	DISTIL	0.	-0.280	0.	0.208	0.31	-121.	-57.	1.	37.	215.	37.	0.47	27.	19.	33.	-2.				
26217	FCPADS	DISTIL	0.	-0.189	0.	0.091	0.20	-13.	35.	7.	78.	193.	31.	0.72	6.	0.	57.	-5.				
26217	FCPADS	DISTIL	0.	-0.723	0.	0.350	0.28	-113.	72.	9.	234.	665.	80.	0.85	31.	74.	55.	-26.				
26217	FCMCDS	DISTIL	0.	-0.158	0.	0.122	0.27	-129.	38.	4.	-37.	197.	28.	0.45	5.	0.	53.	-4.				
26217	FCMCDS	DISTIL	0.	-0.479	0.	0.371	0.36	-435.	71.	-1.	-160.	541.	57.	0.46	21.	53.	50.	-16.				
26218	STM141	RESIDU	0.	-0.046	0.	0.077	0.20	-16.	-19.	-2.	23.	47.	3.	0.22	7.	0.	26.	2.				
26218	STM141	COAL-F	0.	-0.046	0.	0.077	0.20	-16.	-76.	-2.	25.	-2.	15.	0.11	-5.	0.	45.	4.				
26218	STM141	COAL-A	0.	-0.046	0.	0.077	0.20	46.	-76.	-2.	87.	-2.	15.	0.30	1.	0.	34.	5.				
26218	STM088	RESIDU	0.	-0.033	0.	0.054	0.15	-12.	-13.	-2.	16.	34.	2.	0.16	5.	0.	36.	1.				
26218	STM088	COAL-F	0.	-0.033	0.	0.054	0.15	-12.	-68.	-2.	18.	-13.	13.	0.06	-6.	0.	51.	4.				
26218	STM088	COAL-A	0.	-0.033	0.	0.054	0.15	47.	-68.	-2.	77.	-13.	13.	0.23	-1.	0.	41.	4.				
26218	PFBSTM	COAL-P	0.	-0.053	0.	0.082	0.22	57.	-80.	5.	102.	1.	22.	0.37	-10.	0.	59.	3.				
26218	PFBSTM	COAL-P	0.	-0.080	0.	0.125	0.28	60.	-96.	7.	128.	23.	29.	0.45	-3.	7.	39.	4.				
26218	TISTMT	RESIDU	0.	-0.052	0.	0.082	0.22	-18.	-21.	-3.	25.	51.	3.	0.24	-24.	0.	82.	-2.				
26218	TISTMT	RESIDU	0.	-0.107	0.	0.169	0.33	-37.	-43.	-5.	51.	105.	7.	0.35	-35.	13.	68.	-4.				
26218	TISTMT	COAL	0.	-0.052	0.	0.082	0.22	-18.	-79.	-3.	27.	1.	15.	0.13	-41.	0.	113.	-0.				
26218	TISTMT	COAL	0.	-0.107	0.	0.169	0.33	-37.	-112.	-5.	53.	46.	21.	0.26	-52.	13.	80.	-2.				
26218	TIHRSG	RESIDU	0.	-0.073	0.	0.061	0.16	-26.	-29.	-4.	17.	42.	1.	0.18	-39.	0.	115.	-5.				
26218	TIHRSG	RESIDU	0.	-0.076	0.	0.063	0.17	-27.	-31.	-4.	18.	44.	1.	0.18	-39.	0.	112.	-5.				
26218	TIHRSG	COAL	0.	-0.073	0.	0.061	0.16	-26.	-92.	-4.	19.	-12.	14.	0.06	-56.	0.	144.	-3.				
26218	TIHRSG	COAL	0.	-0.076	0.	0.063	0.17	-27.	-94.	-4.	20.	-10.	14.	0.07	-56.	0.	138.	-3.				
26218	STIRL	DISTIL	0.	-0.075	0.	0.059	0.16	12.	8.	7.	57.	88.	24.	0.50	2.	0.	45.	-2.				
26218	STIRL	DISTIL	0.	-0.188	0.	0.150	0.26	-14.	-24.	5.	96.	168.	34.	0.57	10.	19.	39.	-4.				

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GENERAL ELECTRIC COMPANY

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ISE PEG AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING S***** - - EMISSIONS SAVING S - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		FESR		DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
															MMH			
26218	STIRL	RESIDU	0.	-0.075	0.	0.059	0.16	-26.	-30.	-8.	16.	41.	-3.	0.16	2.	0.	41.	1
26218	STIRL	RESIDU	0.	-0.188	0.	0.150	0.26	-66.	-75.	-21.	41.	104.	-8.	0.26	10.	19.	35.	-0
26218	STIRL	COAL	0.	-0.075	0.	0.059	0.16	-26.	-93.	-4.	19.	-12.	14.	0.06	-15.	0.	63.	3
26218	STIRL	COAL	0.	-0.188	0.	0.150	0.26	-66.	-161.	-9.	45.	31.	20.	0.18	-12.	19.	44.	3
26218	HEGT85	COAL-A	0.	-0.115	0.	0.019	0.05	30.	-117.	-6.	75.	-37.	12.	0.15	-30.	0.	102.	-0
26218	HEGT85	COAL-A	0.	-1.492	0.	0.247	0.12	-230.	-944.	-75.	331.	15.	38.	0.21	-46.	150.	48.	-17
26218	HEGT60	COAL-A	0.	-0.109	0.	0.025	0.07	29.	-114.	-5.	74.	-33.	12.	0.16	-28.	0.	98.	0
26218	HEGT60	COAL-A	0.	-0.464	0.	0.107	0.13	-44.	-327.	-23.	142.	-7.	20.	0.21	-36.	41.	56.	-4
26218	HEGT00	COAL-A	0.	-0.104	0.	0.030	0.08	26.	-111.	-5.	71.	-30.	12.	0.16	-25.	0.	91.	1
26218	HEGT00	COAL-A	0.	-0.179	0.	0.052	0.11	8.	-155.	-9.	84.	-22.	14.	0.18	-24.	9.	67.	0
26218	FCMCCL	COAL	0.	-0.063	0.	0.072	0.19	27.	-1.	4.	73.	80.	21.	0.52	-23.	0.	63.	1
26218	FCMCCL	COAL	0.	-0.192	0.	0.219	0.34	84.	96.	11.	218.	328.	45.	1.00	-17.	26.	46.	2
26218	FCSTCL	COAL	0.	-0.060	0.	0.074	0.20	19.	-16.	2.	64.	64.	20.	0.44	-22.	0.	61.	2
26218	FCSTCL	COAL	0.	-0.272	0.	0.337	0.40	84.	96.	11.	282.	437.	57.	1.00	-12.	45.	39.	2
26218	IGGTST	COAL	0.	-0.076	0.	0.059	0.16	-26.	-94.	3.	19.	-13.	21.	0.08	-21.	0.	60.	2
26218	IGGTST	COAL	0.	-0.237	0.	0.184	0.28	-83.	-191.	10.	54.	47.	44.	0.24	-13.	27.	42.	2
26218	GTSQAR	RESIDU	-0.074	0.	-0.074	0.134	0.16	-29.	-28.	-1.	14.	46.	7.	0.28	4.	0.	36.	1
26218	GTSQAR	RESIDU	-0.242	0.	-0.242	0.438	0.29	-94.	-91.	-2.	47.	148.	24.	0.42	24.	28.	28.	1
26218	GTAC08	RESIDU	0.	-0.063	0.	0.072	0.19	-62.	-25.	-7.	-19.	46.	-2.	0.08	5.	0.	31.	1
26218	GTAC08	RESIDU	0.	-0.157	0.	0.179	0.31	-155.	-63.	-18.	-48.	116.	-5.	0.12	20.	19.	24.	2
26218	GTAC12	RESIDU	0.	-0.064	0.	0.070	0.19	-58.	-26.	-7.	-15.	46.	-2.	0.09	5.	0.	32.	1
26218	GTAC12	RESIDU	0.	-0.200	0.	0.220	0.33	-181.	-80.	-22.	-47.	144.	-5.	0.15	24.	27.	25.	2
26218	GTAC16	RESIDU	0.	-0.065	0.	0.069	0.18	-56.	-26.	-7.	-13.	45.	-1.	0.09	4.	0.	33.	1
26218	GTAC16	RESIDU	0.	-0.233	0.	0.246	0.34	-200.	-93.	-24.	-48.	162.	-5.	0.17	27.	32.	25.	2
26218	GTWC16	RESIDU	0.	-0.072	0.	0.063	0.17	-59.	-29.	-7.	-16.	43.	-2.	0.07	4.	0.	35.	1
26218	GTWC16	RESIDU	0.	-0.265	0.	0.233	0.32	-220.	-106.	-27.	-61.	159.	-8.	0.13	29.	34.	27.	1
26218	CC1626	RESIDU	0.	-0.072	0.	0.062	0.16	-54.	-29.	-7.	-11.	42.	-2.	0.09	4.	0.	36.	1
26218	CC1626	RESIDU	0.	-0.415	0.	0.354	0.35	-309.	-166.	-38.	-65.	242.	-9.	0.18	46.	60.	27.	0
26218	CC1622	RESIDU	0.	-0.069	0.	0.065	0.17	-53.	-28.	-7.	-11.	44.	-1.	0.09	4.	0.	35.	1
26218	CC1622	RESIDU	0.	-0.357	0.	0.334	0.36	-275.	-143.	-34.	-55.	225.	-7.	0.19	39.	52.	26.	1
26218	CC1222	RESIDU	0.	-0.069	0.	0.066	0.17	-53.	-28.	-7.	-10.	44.	-1.	0.10	5.	0.	34.	1
26218	CC1222	RESIDU	0.	-0.352	0.	0.336	0.36	-272.	-141.	-33.	-53.	225.	-7.	0.19	40.	52.	26.	1
26218	CC0822	RESIDU	0.	-0.064	0.	0.070	0.19	-53.	-26.	-6.	-11.	46.	-1.	0.10	5.	0.	33.	1
26218	CC0822	RESIDU	0.	-0.260	0.	0.285	0.36	-216.	-104.	-26.	-43.	187.	-4.	0.19	32.	39.	24.	2
26218	STIG15	RESIDU	0.	-0.111	0.	0.023	0.06	-67.	-44.	-3.	-25.	26.	0.	0.00	4.	0.	46.	-1
26218	STIG15	RESIDU	0.	-15.525	0.	3.247	0.17	-9375.	-6210.	-461.	-3452.	3590.	29.	0.01	1163.	1748.	37.	-242
26218	STIG10	RESIDU	0.	-0.101	0.	0.033	0.09	-65.	-40.	-3.	-23.	30.	1.	0.03	5.	0.	42.	-0
26218	STIG10	RESIDU	0.	-1.306	0.	0.430	0.22	-844.	-522.	-34.	-295.	388.	16.	0.06	107.	150.	34.	-16
26218	STIG15	RESIDU	0.	-0.096	0.	0.038	0.10	-66.	-39.	-2.	-23.	32.	2.	0.03	5.	0.	41.	0
26218	STIG15	RESIDU	0.	-0.731	0.	0.287	0.23	-499.	-292.	-17.	-177.	243.	14.	0.07	61.	83.	33.	-7
26218	DEADV3	RESIDU	0.	-0.088	0.	0.046	0.12	-100.	-35.	-7.	-58.	36.	-3.	-0.07	-2.	0.	51.	-0
26218	DEADV3	RESIDU	0.	-0.759	0.	0.400	0.29	-866.	-304.	-64.	-498.	308.	-26.	-0.17	25.	96.	40.	-11
26218	DEHTPM	RESIDU	0.	-0.065	0.	0.069	0.18	-102.	-26.	-7.	-59.	45.	-1.	-0.04	-0.	0.	42.	1
26218	DEHTPM	RESIDU	0.	-0.237	0.	0.252	0.34	-370.	-95.	-25.	-215.	165.	-5.	-0.08	8.	33.	36.	-1
26218	DESQA3	DISTIL	-0.095	0.	-0.095	0.134	0.10	-205.	36.	2.	-164.	100.	-4.	-0.28	-2.	0.	58.	-3
26218	DESQA3	DISTIL	-0.958	0.	-0.958	1.352	0.25	-2251.	-104.	2.	-1825.	600.	34.	-0.87	5.	114.	52.	-29

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GENERAL ELECTRIC COMPANY

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TSE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS

SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING***** - - - EMISSIONS SAVING - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		FESR		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART		EXPORT	SAVED		
26218	DESOA3	RESIDU	-0.095	0.	-0.095	0.134	0.10	-480.	-36.	-1.	-436.	38.	7.	-1.61	-2.	0.	53.	-1.
26218	DESOA3	RESIDU	-0.958	0.	-0.958	1.352	0.25	-4828.	-361.	-8.	-4393.	379.	72.	-2.87	5.	114.	46.	-19.
26218	GTSOAD	DISTIL	-0.067	0.	-0.067	0.134	0.18	-27.	-11.	0.	15.	60.	5.	0.43	5.	0.	35.	-1.
26218	GTSOAD	DISTIL	-0.204	0.	-0.204	0.406	0.31	-83.	-33.	0.	46.	183.	16.	0.56	25.	25.	28.	-2.
26218	GTRA08	DISTIL	0.	-0.073	0.	0.062	0.16	-8.	8.	7.	37.	89.	24.	0.45	3.	0.	41.	-2.
26218	GTRA08	DISTIL	0.	-0.368	0.	0.312	0.34	-159.	-75.	2.	61.	304.	52.	0.49	36.	51.	33.	-5.
26218	GTRA12	DISTIL	0.	-0.071	0.	0.063	0.17	-8.	9.	7.	37.	89.	24.	0.45	3.	0.	40.	-2.
26218	GTRA12	DISTIL	0.	-0.351	0.	0.311	0.34	-152.	-70.	2.	62.	299.	51.	0.50	36.	50.	32.	-5.
26218	GTRA16	DISTIL	0.	-0.071	0.	0.064	0.17	-8.	9.	7.	37.	89.	24.	0.45	3.	0.	41.	-2.
26218	GTRA16	DISTIL	0.	-0.324	0.	0.292	0.34	-142.	-53.	2.	58.	282.	49.	0.50	31.	45.	32.	-4.
26218	GTR208	DISTIL	0.	-0.071	0.	0.064	0.17	-10.	9.	7.	35.	89.	24.	0.44	4.	0.	39.	-2.
26218	GTR208	DISTIL	0.	-0.269	0.	0.241	0.32	-119.	-47.	3.	46.	239.	43.	0.48	29.	35.	31.	-3.
26218	GTR212	DISTIL	0.	-0.071	0.	0.063	0.17	-10.	9.	7.	35.	89.	24.	0.44	4.	0.	40.	-2.
26218	GTR212	DISTIL	0.	-0.289	0.	0.258	0.33	-123.	-53.	3.	50.	253.	45.	0.48	30.	39.	31.	-4.
26218	GTR216	DISTIL	0.	-0.070	0.	0.065	0.17	-9.	9.	7.	36.	90.	24.	0.45	3.	0.	40.	-2.
26218	GTR216	DISTIL	0.	-0.291	0.	0.269	0.34	-129.	-53.	3.	54.	260.	46.	0.49	30.	40.	31.	-4.
26218	GTRW08	DISTIL	0.	-0.083	0.	0.052	0.14	-11.	5.	7.	34.	86.	24.	0.43	3.	0.	44.	-2.
26218	GTRW08	DISTIL	0.	-0.498	0.	0.313	0.30	-211.	-112.	-1.	51.	339.	57.	0.46	47.	63.	34.	-8.
26218	GTRW12	DISTIL	0.	-0.079	0.	0.056	0.15	-9.	6.	7.	36.	87.	24.	0.44	3.	0.	43.	-2.
26218	GTRW12	DISTIL	0.	-0.482	0.	0.341	0.32	-205.	-107.	-0.	62.	350.	58.	0.48	48.	65.	33.	-7.
26218	GTRW16	DISTIL	0.	-0.078	0.	0.057	0.15	-9.	7.	7.	36.	87.	24.	0.44	3.	0.	43.	-2.
26218	GTRW16	DISTIL	0.	-0.441	0.	0.320	0.32	-188.	-95.	0.	58.	328.	55.	0.48	43.	59.	33.	-7.
26218	GTR308	DISTIL	0.	-0.086	0.	0.048	0.13	-14.	4.	6.	31.	85.	24.	0.42	4.	0.	44.	-2.
26218	GTR308	DISTIL	0.	-0.398	0.	0.221	0.26	-171.	-83.	1.	30.	262.	47.	0.43	36.	45.	35.	-7.
26218	GTR312	DISTIL	0.	-0.077	0.	0.058	0.15	-10.	7.	7.	35.	88.	24.	0.44	4.	0.	41.	-2.
26218	GTR312	DISTIL	0.	-0.377	0.	0.284	0.31	-163.	-78.	2.	51.	291.	50.	0.48	39.	49.	32.	-5.
26218	GTR316	DISTIL	0.	-0.077	0.	0.057	0.15	-10.	7.	7.	35.	88.	24.	0.44	3.	0.	42.	-2.
26218	GTR316	DISTIL	0.	-0.373	0.	0.278	0.31	-161.	-76.	2.	50.	287.	50.	0.47	37.	48.	33.	-5.
26218	FCPADS	DISTIL	0.	-0.091	0.	0.044	0.12	12.	35.	8.	57.	116.	26.	0.59	1.	0.	60.	-4.
26218	FCPADS	DISTIL	0.	-0.965	0.	0.467	0.28	-151.	96.	12.	312.	887.	106.	0.85	42.	122.	55.	-38.
26218	FCMCDS	DISTIL	0.	-0.076	0.	0.059	0.16	-43.	36.	7.	2.	117.	24.	0.43	1.	0.	56.	-3.
26218	FCMCDS	DISTIL	0.	-0.639	0.	0.494	0.36	-580.	95.	-1.	-214.	722.	76.	0.46	28.	94.	50.	-24.
26	FCMCDS	DISTIL	-18.738	*****	-18.738	143.189	12.84	*****	-93688.	-6567.	-42145.	113684.	12808.	0.21	13861.	25072.	19276.	-2553.
28121	STM141	RESIDU	0.	-0.062	0.	0.103	0.08	-22.	-25.	-3.	31.	64.	4.	0.08	11.	0.	53.	3.
28121	STM141	COAL-F	0.	-0.062	0.	0.103	0.08	-22.	-90.	-3.	33.	8.	17.	0.05	-2.	0.	43.	6.
28121	STM141	COAL-A	0.	-0.062	0.	0.103	0.08	49.	-90.	-3.	104.	8.	17.	0.10	5.	0.	41.	7.
28121	STM088	RESIDU	0.	-0.047	0.	0.078	0.06	-16.	-19.	-2.	23.	48.	3.	0.06	8.	0.	54.	2.
28121	STM088	COAL-F	0.	-0.047	0.	0.078	0.06	-16.	-81.	-2.	26.	-5.	16.	0.03	-4.	0.	44.	5.
28121	STM088	COAL-A	0.	-0.047	0.	0.078	0.06	51.	-81.	-2.	93.	-5.	16.	0.08	2.	0.	42.	6.
28121	PFBSTM	COAL-P	0.	-0.100	0.	0.158	0.12	65.	-113.	8.	150.	36.	34.	0.18	1.	0.	42.	7.
28121	TISTMT	RESIDU	0.	-0.131	0.	0.209	0.15	-46.	-52.	-7.	62.	129.	8.	0.16	-34.	0.	59.	-1.
28121	TISTMT	COAL	0.	-0.131	0.	0.209	0.15	-46.	-132.	-7.	65.	62.	24.	0.12	-54.	0.	53.	2.
28121	TIHRSG	RESIDU	0.	-0.079	0.	0.072	0.05	-28.	-32.	-4.	20.	49.	2.	0.06	-40.	0.	65.	-4.
28121	TIHRSG	COAL	0.	-0.079	0.	0.072	0.05	-28.	-100.	-4.	23.	-10.	16.	0.02	-57.	0.	56.	-2.
28121	STIRL	DISTIL	0.	-0.214	0.	0.173	0.13	-17.	-29.	5.	109.	191.	39.	0.27	12.	0.	56.	-1.
28121	STIRL	RESIDU	0.	-0.214	0.	0.173	0.13	-75.	-85.	-23.	48.	120.	-9.	0.13	12.	0.	50.	3.

NEWELL PAGE PRINTING SYSTEM - 81158-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 28

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****										*****EMISSIONS SAVING S*****										CAPITL--ELECTRIC POWER---			
		ECS ****DIRECT****		TOTAL----		FESR-----		DIRECT-----		*****TOTAL*****		EMSR		SAVING		TOTAL		COST		LAEC		EXPORT		SAVED	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART													
28121	STIRL	COAL	0.	-0.214	0.	0.173	0.13	-75.	-181.	-11.	52.	38.	23.	0.09	-10.	0.	43.	7.							
28121	HEGT85	COAL-A	0.	-0.881	0.	0.207	0.15	-112.	-581.	-44.	240.	21.	31.	0.24	-50.	0.	52.	3.							
28121	HEGT85	COAL-A	0.	-1.147	0.	0.269	0.16	-164.	-741.	-57.	294.	41.	37.	0.24	-45.	31.	48.	2.							
28121	HEGT60	COAL-A	0.	-0.448	0.	0.129	0.10	-37.	-322.	-22.	151.	2.	22.	0.14	-34.	0.	50.	3.							
28121	HEGT00	COAL-A	0.	-0.190	0.	0.060	0.04	10.	-167.	-9.	93.	-22.	16.	0.07	-23.	0.	48.	2.							
28121	FCMCCL	COAL	0.	-0.210	0.	0.241	0.18	93.	106.	12.	240.	361.	49.	0.52	-16.	0.	44.	7.							
28121	FCSTCL	COAL	0.	-0.320	0.	0.400	0.30	92.	106.	12.	326.	507.	65.	0.72	-8.	0.	39.	11.							
28121	IGGTST	COAL	0.	-0.280	0.	0.225	0.17	-98.	-221.	11.	67.	63.	51.	0.15	-9.	0.	42.	9.							
28121	GTSCAR	RESIDU	-0.256	0.	-0.256	0.472	0.16	-101.	-96.	-2.	51.	162.	26.	0.21	27.	0.	45.	6.							
28121	GTAC08	RESIDU	0.	-0.174	0.	0.196	0.15	-170.	-69.	-20.	-53.	126.	-5.	0.06	23.	0.	46.	6.							
28121	GTAC12	RESIDU	0.	-0.219	0.	0.242	0.18	-198.	-88.	-24.	-51.	158.	-5.	0.08	28.	0.	44.	7.							
28121	GTAC16	RESIDU	0.	-0.252	0.	0.270	0.20	-217.	-101.	-26.	-51.	177.	-5.	0.10	30.	0.	42.	8.							
28121	GTWC16	RESIDU	0.	-0.292	0.	0.256	0.19	-241.	-117.	-29.	-67.	174.	-9.	0.08	33.	0.	42.	7.							
28121	CC1626	RESIDU	0.	-0.482	0.	0.420	0.31	-356.	-193.	-44.	-69.	286.	-10.	0.17	35.	0.	31.	11.							
28121	CC1622	RESIDU	0.	-0.416	0.	0.396	0.29	-316.	-166.	-39.	-58.	265.	-7.	0.16	48.	0.	34.	11.							
28121	CC1222	RESIDU	0.	-0.411	0.	0.398	0.29	-313.	-164.	-38.	-56.	266.	-7.	0.16	49.	0.	34.	11.							
28121	CC0822	RESIDU	0.	-0.306	0.	0.341	0.25	-250.	-122.	-30.	-44.	222.	-4.	0.14	40.	0.	38.	10.							
28121	STIG15	RESIDU	0.	-0.899	0.	0.168	0.14	-543.	-360.	-27.	-200.	208.	2.	0.01	59.	0.	39.	0.							
28121	STIG15	RESIDU	0.	-17.062	0.	3.568	0.17	-10303.	-6825.	-507.	-3794.	3946.	32.	0.01	1264.	1833.	37.	-251.							
28121	STIG10	RESIDU	0.	-0.818	0.	0.269	0.20	-529.	-327.	-22.	-185.	243.	10.	0.06	62.	0.	35.	4.							
28121	STIG10	RESIDU	0.	-1.435	0.	0.473	0.22	-927.	-574.	-38.	-324.	426.	13.	0.06	114.	77.	34.	-4.							
28121	STIG1S	RESIDU	0.	-0.781	0.	0.307	0.23	-533.	-312.	-18.	-189.	259.	15.	0.07	65.	0.	33.	6.							
23121	STIG1S	RESIDU	0.	-0.804	0.	0.316	0.23	-548.	-321.	-19.	-194.	267.	15.	0.07	68.	3.	33.	6.							
28121	DEADV3	RESIDU	0.	-0.699	0.	0.389	0.29	-807.	-280.	-60.	-463.	294.	-23.	-0.15	24.	0.	39.	4.							
28121	DEADV3	RESIDU	0.	-0.774	0.	0.431	0.29	-894.	-310.	-66.	-512.	326.	-26.	-0.16	27.	11.	39.	3.							
28121	DEHTFM	RESIDU	0.	-0.259	0.	0.294	0.22	-405.	-104.	-27.	-229.	191.	-4.	-0.03	11.	0.	46.	5.							
28121	DES0A3	DISTIL	-0.757	0.	-0.757	1.088	0.24	-1804.	-66.	2.	-1462.	498.	26.	-0.82	4.	0.	51.	-9.							
28121	DES0A3	DISTIL	-0.967	0.	-0.967	1.390	0.26	-2312.	-100.	2.	-1874.	623.	35.	-0.86	6.	28.	51.	-15.							
28121	DES0A3	RESIDU	-0.757	0.	-0.757	1.088	0.24	-3882.	-285.	-6.	-3532.	310.	58.	-2.77	4.	0.	46.	-1.							
28121	DES0A3	RESIDU	-0.967	0.	-0.967	1.390	0.26	-4961.	-364.	-8.	-4513.	396.	75.	-2.85	6.	28.	45.	-5.							
28121	GTSCAD	DISTIL	-0.221	0.	-0.221	0.443	0.16	-91.	-36.	0.	50.	200.	17.	0.25	29.	0.	50.	3.							
28121	GTRA08	DISTIL	0.	-0.383	0.	0.340	0.25	-166.	-76.	2.	68.	327.	56.	0.36	39.	0.	43.	4.							
28121	GTRA12	DISTIL	0.	-0.368	0.	0.340	0.25	-160.	-72.	2.	69.	323.	55.	0.36	39.	0.	43.	4.							
28121	GTRA16	DISTIL	0.	-0.342	0.	0.320	0.24	-150.	-65.	3.	65.	305.	53.	0.34	35.	0.	45.	3.							
28121	GFR208	DISTIL	0.	-0.286	0.	0.265	0.20	-128.	-49.	4.	52.	260.	47.	0.29	32.	0.	48.	3.							
28121	GTR212	DISTIL	0.	-0.308	0.	0.283	0.21	-137.	-55.	4.	56.	276.	49.	0.31	34.	0.	47.	3.							
28121	GTR216	DISTIL	0.	-0.310	0.	0.296	0.22	-137.	-56.	3.	60.	283.	50.	0.32	33.	0.	46.	3.							
28121	GTRW08	DISTIL	0.	-0.523	0.	0.341	0.25	-223.	-116.	-0.	58.	365.	62.	0.33	51.	0.	40.	2.							
28121	GTRW12	DISTIL	0.	-0.510	0.	0.372	0.27	-217.	-112.	0.	68.	378.	63.	0.41	53.	0.	38.	3.							
28121	GTRW16	DISTIL	0.	-0.470	0.	0.350	0.26	-201.	-101.	1.	65.	356.	60.	0.39	47.	0.	41.	3.							
28121	GTR308	DISTIL	0.	-0.417	0.	0.244	0.18	-180.	-86.	2.	35.	283.	51.	0.30	39.	0.	47.	1.							
28121	GTR312	DISTIL	0.	-0.407	0.	0.311	0.23	-176.	-83.	2.	57.	318.	55.	0.35	43.	0.	43.	3.							
28121	GTR316	DISTIL	0.	-0.403	0.	0.305	0.23	-174.	-82.	2.	55.	313.	54.	0.34	42.	0.	44.	3.							
28121	FCPADS	DISTIL	0.	-0.733	0.	0.355	0.26	-105.	83.	12.	247.	686.	87.	0.82	31.	0.	55.	-16.							
28121	FCPADS	DISTIL	0.	-1.060	0.	0.513	0.28	-166.	106.	13.	343.	974.	117.	0.85	47.	46.	54.	-28.							
25121	FCMCDS	DISTIL	0.	-0.613	0.	0.474	0.35	-553.	95.	0.	-201.	698.	75.	0.46	27.	0.	50.	-10.							

KEYWELL PAGE PRINTING SYSTEM - P188-02

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GENERAL ELECTRIC COMPANY

PAGE 29

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9 -

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****										*****EMISSIONS SAVINGS*****										CAPITL--ELECTRIC POWER---			
		ECS *****DIRECT*****										*****TOTAL*****										EMSR	SAVING	TOTAL EXPORT	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART							
																		MWH							
28121	FCMCDS	DISTIL	0.	-0.702	0.	0.543	0.36	-637.	105.	-1.	-235.	793.	83.	0.46	32.	15.	50.	-13.							
28191	STM141	RESIDU	0.	-0.099	0.	0.164	0.14	-35.	-40.	-5.	49.	101.	7.	0.15	21.	0.	18.	5.							
28191	STM141	RESIDU	0.	-0.113	0.	0.187	0.15	-39.	-45.	-6.	56.	115.	8.	0.16	25.	3.	15.	6.							
28191	STM141	COAL-F	0.	-0.099	0.	0.164	0.14	-35.	-247.	-5.	57.	-75.	48.	0.03	-15.	0.	52.	15.							
28191	STM141	COAL-F	0.	-0.113	0.	0.187	0.15	-39.	-255.	-6.	64.	-63.	50.	0.05	-7.	3.	41.	16.							
28191	STM141	COAL-A	0.	-0.099	0.	0.164	0.14	188.	-247.	-5.	280.	-75.	48.	0.24	4.	0.	34.	17.							
28191	STM141	COAL-A	0.	-0.113	0.	0.187	0.15	186.	-255.	-6.	290.	-63.	50.	0.25	8.	3.	29.	18.							
28191	STM088	RESIDU	0.	-0.065	0.	0.108	0.09	-23.	-26.	-3.	32.	67.	4.	0.10	17.	0.	28.	4.							
28191	STM088	COAL-F	0.	-0.065	0.	0.108	0.09	-23.	-227.	-3.	40.	-104.	45.	-0.02	-14.	0.	53.	14.							
28191	STM088	COAL-A	0.	-0.065	0.	0.108	0.09	153.	-227.	-3.	256.	-104.	45.	0.18	-1.	0.	43.	15.							
28191	PFBSTM	COAL-P	0.	-0.106	0.	0.157	0.13	218.	-251.	13.	310.	-79.	66.	0.28	-10.	0.	51.	14.							
28191	PFBSTM	COAL-P	0.	-0.243	0.	0.362	0.23	240.	-334.	29.	442.	26.	103.	0.41	22.	32.	28.	18.							
28191	TISTMT	RESIDU	0.	-0.102	0.	0.161	0.13	-36.	-41.	-5.	48.	100.	6.	0.14	-37.	0.	74.	-3.							
28191	TISTMT	RESIDU	0.	-0.332	0.	0.523	0.29	-116.	-133.	-17.	156.	325.	21.	0.31	-68.	56.	57.	-10.							
28191	TISTMT	COAL	0.	-0.102	0.	0.161	0.13	-36.	-249.	-5.	56.	-77.	48.	0.03	-77.	0.	111.	6.							
28191	TISTMT	COAL	0.	-0.332	0.	0.523	0.29	-116.	-387.	-17.	166.	109.	72.	0.21	-115.	56.	66.	2.							
28191	TIHRSG	RESIDU	0.	-0.179	0.	0.083	0.07	-63.	-72.	-9.	20.	67.	-1.	0.08	-56.	0.	101.	-8.							
28191	TIHRSG	RESIDU	0.	-0.402	0.	0.187	0.12	-141.	-161.	-20.	46.	149.	-1.	0.14	-94.	31.	87.	-18.							
28191	TIHRSG	COAL	0.	-0.179	0.	0.083	0.07	-63.	-295.	-9.	29.	-123.	44.	-0.05	-95.	0.	134.	2.							
28191	TIHRSG	COAL	0.	-0.402	0.	0.187	0.12	-141.	-429.	-20.	56.	-78.	52.	0.02	-143.	31.	100.	-5.							
28191	STIRL	DISTIL	0.	-0.154	0.	0.109	0.09	77.	68.	28.	169.	240.	81.	0.46	3.	0.	47.	-8.							
28191	STIRL	DISTIL	0.	-0.622	0.	0.437	0.22	-30.	-64.	20.	317.	543.	121.	0.54	31.	75.	41.	-18.							
28191	STIRL	RESIDU	0.	-0.154	0.	0.109	0.09	-54.	-62.	-18.	29.	77.	-9.	0.09	3.	0.	43.	1.							
28191	STIRL	RESIDU	0.	-0.622	0.	0.437	0.22	-218.	-249.	-72.	118.	312.	-35.	0.22	31.	75.	36.	-5.							
28191	STIRL	COAL	0.	-0.154	0.	0.109	0.09	-54.	-280.	-8.	38.	-108.	45.	-0.02	-38.	0.	78.	11.							
28191	STIRL	COAL	0.	-0.622	0.	0.437	0.22	-218.	-561.	-31.	130.	47.	69.	0.14	-46.	75.	48.	7.							
28191	HEGTOO	COAL-A	0.	-0.218	0.	0.045	0.04	150.	-318.	-11.	242.	-147.	42.	0.13	-43.	0.	87.	8.							
28191	HEGTOO	COAL-A	0.	-0.788	0.	0.161	0.09	15.	-660.	-39.	327.	-113.	54.	0.16	-24.	64.	49.	5.							
28191	FCMCCL	COAL	0.	-0.124	0.	0.139	0.12	53.	-96.	7.	145.	76.	60.	0.26	-44.	0.	83.	10.							
28191	FCMCCL	COAL	0.	-0.758	0.	0.853	0.33	327.	374.	43.	853.	1284.	176.	1.00	11.	126.	35.	13.							
28191	FCSTCL	COAL	0.	-0.119	0.	0.144	0.12	41.	-117.	5.	133.	55.	58.	0.23	-42.	0.	81.	10.							
28191	FCSTCL	COAL	0.	-0.942	0.	1.144	0.38	327.	374.	42.	1006.	1544.	203.	1.00	34.	171.	31.	15.							
28191	IGGTST	COAL	0.	-0.153	0.	0.109	0.09	-54.	-280.	7.	38.	-108.	60.	-0.01	-38.	0.	77.	10.							
28191	IGGTST	COAL	0.	-0.812	0.	0.579	0.25	-284.	-675.	38.	170.	114.	158.	0.21	8.	106.	34.	14.							
28191	GTSGAR	RESIDU	-0.160	0.	-0.160	0.263	0.09	-58.	-60.	-1.	26.	83.	14.	0.18	13.	0.	33.	2.							
28191	GTSGAR	RESIDU	-1.159	0.	-1.159	1.900	0.26	-421.	-436.	-9.	190.	603.	103.	0.40	119.	154.	29.	-5.							
28191	GTAC08	RESIDU	0.	-0.122	0.	0.140	0.12	-121.	-49.	-14.	-37.	91.	-4.	0.05	15.	0.	26.	4.							
28191	GTAC08	RESIDU	0.	-0.608	0.	0.696	0.31	-599.	-243.	-71.	-184.	452.	-18.	0.12	93.	98.	22.	6.							
28191	GTAC12	RESIDU	0.	-0.125	0.	0.137	0.11	-113.	-50.	-14.	-29.	90.	-3.	0.05	14.	0.	27.	3.							
28191	GTAC12	RESIDU	0.	-0.782	0.	0.857	0.33	-703.	-313.	-85.	-182.	560.	-19.	0.15	112.	129.	23.	6.							
28191	GTAC16	RESIDU	0.	-0.132	0.	0.131	0.11	-111.	-53.	-13.	-28.	87.	-3.	0.05	13.	0.	29.	3.							
28191	GTAC16	RESIDU	0.	-0.959	0.	0.956	0.33	-810.	-384.	-98.	-201.	635.	-23.	0.16	126.	155.	24.	4.							
28191	GTWC16	RESIDU	0.	-0.140	0.	0.123	0.10	-116.	-55.	-14.	-32.	84.	-4.	0.04	14.	0.	30.	3.							
28191	GTWC16	RESIDU	0.	-1.028	0.	0.907	0.32	-851.	-411.	-103.	-236.	616.	-30.	0.13	134.	157.	24.	2.							
28191	CC1626	RESIDU	0.	-0.144	0.	0.119	0.10	-110.	-58.	-13.	-26.	82.	-4.	0.05	14.	0.	31.	2.							
28191	CC1626	RESIDU	0.	-1.461	0.	1.202	0.33	-1111.	-584.	-137.	-265.	828.	-37.	0.16	185.	225.	25.	-0.							

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GENERAL ELECTRIC COMPANY

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

□

EMISSION UNITS=

TIME 1990

LEVEL ALL

TYPE MATCH=POWER

COST = \$*10**9

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		ECS *****DIRECT*****	TOTAL	FESR	DIRECT	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC	SAVED	
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	MMH		
28191	CC1622	RESIDU 0.	-0.138 0.	0.125	0.10	-109.	-55.	-13.	-25.	84.	-3.	0.05	14.
28191	CC1622	RESIDU 0.	-1.253 0.	1.132	0.34	-986.	-501.	-121.	-228.	766.	-30.	0.17	157.
28191	CC1222	RESIDU 0.	-0.137 0.	0.126	0.10	-108.	-55.	-13.	-25.	85.	-3.	0.05	14.
28191	CC1222	RESIDU 0.	-1.231 0.	1.134	0.34	-973.	-493.	-119.	-222.	764.	-28.	0.17	162.
28191	CC0822	RESIDU 0.	-0.127 0.	0.135	0.11	-110.	-51.	-13.	-26.	89.	-3.	0.06	15.
28191	CC0322	RESIDU 0.	-0.895 0.	0.950	0.34	-772.	-358.	-93.	-185.	624.	-20.	0.17	133.
28191	DEHTPM	RESIDU 0.	-0.154 0.	0.109	0.09	-241.	-62.	-16.	-158.	78.	-7.	-0.08	-4.
28191	DEHTPM	RESIDU 0.	-0.908 0.	0.643	0.26	-1425.	-363.	-94.	-933.	458.	-39.	-0.23	8.
28191	GTSOAD	DISTIL -0.134 0.	-0.134 0.263	0.11	-54.	-22.	0.	30.	118.	10.	0.32	16.	0.
28191	GTSOAD	DISTIL -0.821 0.	-0.821 1.605	0.31	-328.	-133.	0.	182.	720.	62.	0.55	117.	126.
28191	GTRA08	DISTIL 0.	-0.161 0.	0.102	0.09	36.	66.	28.	127.	238.	81.	0.42	9.
28191	GTRA08	DISTIL 0.	-2.009 0.	1.279	0.30	-850.	-454.	-3.	214.	1372.	229.	0.47	197.
28191	GTRA12	DISTIL 0.	-0.154 0.	0.108	0.09	37.	68.	28.	129.	240.	81.	0.42	12.
28191	GTRA12	DISTIL 0.	-1.795 0.	1.263	0.32	-765.	-394.	0.	226.	1306.	219.	0.48	186.
28191	GTRA16	DISTIL 0.	-0.151 0.	0.111	0.09	37.	69.	28.	128.	240.	81.	0.42	11.
28191	GTRA16	DISTIL 0.	-1.586 0.	1.167	0.32	-681.	-335.	4.	211.	1198.	204.	0.48	160.
28191	GTR208	DISTIL 0.	-0.149 0.	0.114	0.09	34.	69.	28.	125.	241.	82.	0.42	13.
28191	GTR208	DISTIL 0.	-1.226 0.	0.938	0.30	-537.	-234.	10.	166.	978.	176.	0.47	137.
28191	GTR212	DISTIL 0.	-0.149 0.	0.114	0.09	35.	69.	28.	127.	241.	82.	0.42	13.
28191	GTR212	DISTIL 0.	-1.317 0.	1.009	0.31	-574.	-260.	9.	181.	1040.	184.	0.47	144.
28191	GTR216	DISTIL 0.	-0.147 0.	0.116	0.10	36.	70.	28.	128.	242.	82.	0.42	12.
28191	GTR216	DISTIL 0.	-1.341 0.	1.059	0.32	-583.	-266.	8.	196.	1074.	138.	0.48	143.
28191	GTRW08	DISTIL 0.	-0.175 0.	0.088	0.07	32.	62.	28.	123.	234.	81.	0.41	9.
28191	GTRW08	DISTIL 0.	-2.540 0.	1.275	0.27	-1063.	-604.	-12.	172.	1511.	251.	0.44	250.
28191	GTRW12	DISTIL 0.	-0.165 0.	0.098	0.08	35.	65.	28.	127.	237.	81.	0.42	9.
28191	GTRW12	DISTIL 0.	-2.326 0.	1.387	0.30	-977.	-544.	-9.	224.	1515.	249.	0.47	244.
28191	GTRW16	DISTIL 0.	-0.161 0.	0.102	0.08	36.	66.	28.	127.	238.	81.	0.42	9.
28191	GTRW16	DISTIL 0.	-2.025 0.	1.281	0.30	-857.	-459.	-3.	214.	1377.	230.	0.47	211.
28191	GTR308	DISTIL 0.	-0.183 0.	0.080	0.07	24.	60.	28.	116.	231.	81.	0.40	13.
28191	GTR308	DISTIL 0.	-1.946 0.	0.848	0.23	-825.	-437.	-2.	81.	1119.	201.	0.41	165.
28191	GTR312	DISTIL 0.	-0.155 0.	0.108	0.09	35.	68.	28.	127.	239.	81.	0.42	13.
28191	GTR312	DISTIL 0.	-1.596 0.	1.112	0.31	-685.	-338.	4.	193.	1171.	202.	0.47	185.
28191	GTR316	DISTIL 0.	-0.155 0.	0.107	0.09	35.	67.	28.	126.	239.	81.	0.42	13.
28191	GTR316	DISTIL 0.	-1.572 0.	1.087	0.30	-676.	-331.	4.	187.	1151.	199.	0.47	178.
28191	FCPADS	DISTIL 0.	-0.177 0.	0.083	0.07	80.	124.	32.	171.	295.	85.	0.52	1.
28191	FCPADS	DISTIL 0.	-3.752 0.	1.817	0.28	-586.	375.	47.	1213.	3449.	414.	0.85	206.
28191	FCMCDS	DISTIL 0.	-0.148 0.	0.115	0.10	-29.	127.	29.	63.	298.	82.	0.42	-0.
28191	FCMCDS	DISTIL 0.	-2.454 0.	1.922	0.36	-2255.	370.	-4.	-831.	2808.	294.	0.46	134.
28192	STM141	RESIDU 0.	-0.198 0.	0.328	0.14	-69.	-79.	-10.	98.	202.	13.	0.15	46.
28192	STM141	RESIDU 0.	-0.226 0.	0.374	0.15	-79.	-90.	-11.	112.	231.	15.	0.16	54.
28192	STM141	COAL-F 0.	-0.198 0.	0.328	0.14	-69.	-494.	-10.	114.	-150.	96.	0.03	-19.
28192	STM141	COAL-F 0.	-0.226 0.	0.374	0.15	-79.	-511.	-11.	128.	-127.	99.	0.05	-15.
28192	STM141	COAL-A 0.	-0.198 0.	0.328	0.14	377.	-494.	-10.	560.	-150.	96.	0.24	11.
28192	STM141	COAL-A 0.	-0.226 0.	0.374	0.15	373.	-511.	-11.	580.	-127.	99.	0.25	22.
28192	STM088	RESIDU 0.	-0.130 0.	0.216	0.09	-46.	-52.	-7.	65.	133.	9.	0.10	37.
28192	STM088	COAL-F 0.	-0.130 0.	0.216	0.09	-46.	-454.	-7.	80.	-208.	89.	-0.02	-30.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---					
		*****DIRECT*****				*****TOTAL*****				*****TOTAL*****				ENSR SAVING	TOTAL COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	ENSR SAVING	EXPORT	SAVED
28192	STM088	COAL-A	0.	-0.130	0.	0.216	0.09	386.	-454.	-7.	511.	-208.	89.	0.18	2.
28192	PFBSTM	COAL-P	0.	-0.211	0.	0.314	0.13	437.	-502.	25.	620.	-158.	132.	0.28	-9.
28192	PFBSTM	COAL-P	0.	-0.487	0.	0.725	0.23	480.	-668.	58.	884.	52.	205.	0.41	53.
28192	TISTMT	RESIDU	0.	-0.204	0.	0.321	0.13	-71.	-82.	-10.	96.	200.	13.	0.14	-52.
28192	TISTMT	RESIDU	0.	-0.665	0.	1.046	0.29	-233.	-266.	-33.	313.	650.	41.	0.31	-138.
28192	TISTMT	COAL	0.	-0.204	0.	0.321	0.13	-71.	-498.	-10.	112.	-154.	96.	0.03	-120.
28192	TISTMT	COAL	0.	-0.665	0.	1.046	0.29	-233.	-774.	-33.	332.	217.	143.	0.21	-231.
28192	TIHRSG	RESIDU	0.	-0.359	0.	0.167	0.07	-125.	-143.	-18.	41.	133.	-1.	0.08	-86.
28192	TIHRSG	RESIDU	0.	-0.804	0.	0.375	0.12	-282.	-322.	-40.	92.	299.	-3.	0.14	-192.
28192	TIHRSG	COAL	0.	-0.359	0.	0.167	0.07	-125.	-591.	-18.	58.	-247.	88.	-0.05	-156.
28192	TIHRSG	COAL	0.	-0.804	0.	0.375	0.12	-282.	-858.	-40.	112.	-157.	105.	0.02	-290.
28192	STIRL	DISTIL	0.	-0.309	0.	0.217	0.09	154.	136.	57.	337.	479.	163.	0.46	7.
28192	STIRL	DISTIL	0.	-1.244	0.	0.875	0.22	-61.	-128.	-41.	635.	1087.	241.	0.54	62.
28192	STIRL	RESIDU	0.	-0.309	0.	0.217	0.09	-108.	-123.	-36.	59.	155.	-17.	0.09	7.
28192	STIRL	RESIDU	0.	-1.244	0.	0.875	0.22	-435.	-498.	-145.	237.	624.	-69.	0.22	62.
28192	STIRL	COAL	0.	-0.309	0.	0.217	0.09	-108.	-561.	-15.	75.	-217.	91.	-0.02	-69.
28192	STIRL	COAL	0.	-1.244	0.	0.875	0.22	-435.	-1122.	-62.	260.	93.	130.	0.14	-91.
28192	HEGT00	COAL-A	0.	-0.436	0.	0.089	0.04	300.	-637.	-22.	483.	-293.	84.	0.13	-60.
28192	HEGT00	COAL-A	0.	-1.576	0.	0.323	0.09	30.	-1321.	-79.	655.	-226.	109.	0.16	-0.
28192	FCMCCL	COAL	0.	-0.247	0.	0.278	0.12	107.	-192.	14.	290.	152.	120.	0.25	-65.
28192	FCMCCL	COAL	0.	-1.517	0.	1.707	0.33	655.	749.	-85.	1707.	2569.	351.	1.00	73.
28192	FCSTCL	COAL	0.	-0.237	0.	0.288	0.12	82.	-234.	11.	266.	110.	117.	0.23	-64.
28192	FCSTCL	COAL	0.	-1.886	0.	2.290	0.38	655.	749.	84.	2012.	3089.	407.	1.00	126.
28192	IGGTST	COAL	0.	-0.307	0.	0.219	0.09	-107.	-559.	14.	76.	-216.	121.	-0.01	-53.
28192	IGGTST	COAL	0.	-1.625	0.	1.159	0.25	-569.	-1350.	76.	341.	228.	316.	0.21	36.
28192	GTSOAR	RESIDU	-0.320	0.	-0.320	0.526	0.09	-116.	-121.	-3.	53.	167.	29.	0.18	28.
28192	GTSOAR	RESIDU	-2.319	0.	-2.319	3.802	0.26	-842.	-873.	-19.	381.	1207.	207.	0.40	252.
28192	GTAC08	RESIDU	0.	-0.245	0.	0.281	0.12	-241.	-98.	-29.	-74.	182.	-7.	0.05	31.
28192	GTAC08	RESIDU	0.	-1.217	0.	1.394	0.31	-1199.	-487.	-143.	-369.	904.	-37.	0.12	190.
28192	GTAC12	RESIDU	0.	-0.251	0.	0.275	0.11	-226.	-100.	-27.	-58.	180.	-6.	0.05	30.
28192	GTAC12	RESIDU	0.	-1.564	0.	1.716	0.33	-1408.	-626.	-169.	-364.	1121.	-38.	0.15	229.
28192	GTAC16	RESIDU	0.	-0.263	0.	0.262	0.11	-222.	-105.	-27.	-55.	174.	-6.	0.05	28.
28192	GTAC16	RESIDU	0.	-1.920	0.	1.913	0.33	-1621.	-768.	-197.	-403.	1270.	-47.	0.16	253.
28192	GTWC16	RESIDU	0.	-0.279	0.	0.246	0.10	-231.	-112.	-28.	-64.	167.	-8.	0.04	29.
28192	GTWC16	RESIDU	0.	-2.056	0.	1.816	0.32	-1703.	-823.	-207.	-473.	1233.	-60.	0.13	276.
28192	CC1626	RESIDU	0.	-0.288	0.	0.237	0.10	-219.	-115.	-27.	-52.	163.	-7.	0.05	30.
28192	CC1626	RESIDU	0.	-2.923	0.	2.406	0.33	-2223.	-1169.	-273.	-531.	1657.	-75.	0.16	384.
28192	CC1622	RESIDU	0.	-0.276	0.	0.249	0.10	-217.	-110.	-27.	-50.	169.	-7.	0.05	29.
28192	CC1622	RESIDU	0.	-2.507	0.	2.266	0.34	-1974.	-1003.	-242.	-457.	1532.	-59.	0.17	329.
28192	CC1222	RESIDU	0.	-0.274	0.	0.252	0.10	-216.	-109.	-26.	-49.	170.	-6.	0.05	30.
28192	CC1222	RESIDU	0.	-2.464	0.	2.269	0.34	-1948.	-986.	-238.	-444.	1529.	-57.	0.17	337.
28192	CC0822	RESIDU	0.	-0.255	0.	0.271	0.11	-220.	-102.	-27.	-53.	178.	-6.	0.06	31.
28192	CC0822	RESIDU	0.	-1.792	0.	1.901	0.34	-1544.	-717.	-187.	-370.	1249.	-40.	0.17	270.
28192	DEHTPM	RESIDU	0.	-0.308	0.	0.218	0.09	-483.	-123.	-32.	-316.	155.	-13.	-0.08	-6.
28192	DEHTPM	RESIDU	0.	-1.817	0.	1.288	0.26	-2852.	-727.	-189.	-1867.	917.	-78.	-0.23	16.
28192	GTSOAR	DISTIL	-0.269	0.	-0.269	0.526	0.11	-108.	-44.	0.	60.	236.	20.	0.32	32.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

G

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				*****EMISSIONS SAVING S*****				CAPITL--ELECTRIC POWER---							
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING	TOTAL COST	LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		MMH	EXPORT		
28192	GTSOAD DISTIL	-1.643	0.	-1.643	3.212	0.31	-657.	-267.	0.	364.	1440.	124.	0.55	235.	252.	27.	-20.
28192	GTRA08 DISTIL	0.	-0.321	0.	0.204	0.09	71.	132.	56.	254.	476.	163.	0.42	23.	0.	39.	-14.
28192	GTRA08 DISTIL	0.	-4.020	0.	2.559	0.30	-1702.	-909.	-6.	429.	2745.	458.	0.47	416.	568.	33.	-70.
28192	GTRA12 DISTIL	0.	-0.309	0.	0.217	0.09	74.	136.	57.	258.	479.	163.	0.42	26.	0.	37.	-14.
28192	GTRA12 DISTIL	0.	-3.592	0.	2.527	0.32	-1531.	-789.	1.	452.	2614.	438.	0.48	389.	525.	32.	-59.
28192	GTRA16 DISTIL	0.	-0.303	0.	0.223	0.09	74.	137.	57.	257.	481.	163.	0.42	24.	0.	37.	-13.
28192	GTRA16 DISTIL	0.	-3.174	0.	2.335	0.32	-1364.	-671.	8.	423.	2398.	409.	0.48	343.	467.	32.	-52.
28192	GTR208 DISTIL	0.	-0.298	0.	0.228	0.09	67.	139.	57.	251.	482.	163.	0.42	28.	0.	35.	-13.
28192	GTR208 DISTIL	0.	-2.454	0.	1.877	0.30	-1075.	-468.	20.	332.	1957.	352.	0.47	288.	357.	31.	-38.
28192	GTR212 DISTIL	0.	-0.298	0.	0.228	0.09	70.	139.	57.	253.	482.	163.	0.42	27.	0.	35.	-13.
28192	GTR212 DISTIL	0.	-2.636	0.	2.018	0.31	-1148.	-519.	17.	363.	2082.	368.	0.47	307.	387.	31.	-41.
28192	GTR216 DISTIL	0.	-0.294	0.	0.232	0.10	73.	140.	57.	256.	483.	163.	0.42	26.	0.	35.	-13.
28192	GTR216 DISTIL	0.	-2.683	0.	2.119	0.32	-1167.	-533.	16.	392.	2150.	376.	0.48	305.	401.	31.	-42.
28192	GTRW08 DISTIL	0.	-0.350	0.	0.176	0.07	63.	124.	56.	246.	468.	162.	0.41	24.	0.	41.	-16.
28192	GTRW08 DISTIL	0.	-5.082	0.	2.551	0.27	-2127.	-1208.	-24.	343.	3023.	503.	0.44	521.	667.	34.	-93.
28192	GTRW12 DISTIL	0.	-0.329	0.	0.196	0.08	71.	130.	56.	254.	473.	163.	0.42	24.	0.	39.	-15.
28192	GTRW12 DISTIL	0.	-4.654	0.	2.775	0.30	-1955.	-1088.	-17.	449.	3032.	498.	0.47	515.	647.	32.	-77.
28192	GTRW16 DISTIL	0.	-0.322	0.	0.204	0.08	71.	132.	56.	254.	476.	163.	0.42	23.	0.	39.	-15.
28192	GTRW16 DISTIL	0.	-4.051	0.	2.562	0.30	-1714.	-918.	-7.	428.	2755.	460.	0.47	448.	571.	32.	-67.
28192	GTR308 DISTIL	0.	-0.366	0.	0.160	0.07	49.	119.	56.	232.	463.	162.	0.40	28.	0.	40.	-16.
28192	GTR308 DISTIL	0.	-3.893	0.	1.697	0.23	-1651.	-873.	-4.	161.	2240.	402.	0.41	394.	475.	35.	-77.
28192	GTR312 DISTIL	0.	-0.310	0.	0.216	0.09	70.	135.	57.	254.	479.	163.	0.42	29.	0.	35.	-13.
28192	GTR312 DISTIL	0.	-3.194	0.	2.226	0.31	-1372.	-677.	8.	386.	2344.	404.	0.47	385.	459.	30.	-48.
28192	GTR316 DISTIL	0.	-0.311	0.	0.215	0.09	69.	135.	57.	253.	479.	163.	0.42	28.	0.	36.	-13.
28192	GTR316 DISTIL	0.	-3.146	0.	2.175	0.30	-1352.	-663.	8.	374.	2303.	399.	0.47	371.	450.	31.	-49.
28192	FCPADS DISTIL	0.	-0.354	0.	0.171	0.07	159.	247.	63.	342.	591.	170.	0.52	4.	0.	61.	-24.
28192	FCPADS DISTIL	0.	-7.508	0.	3.637	0.28	-1173.	751.	94.	2427.	6902.	829.	0.85	427.	996.	53.	-296.
28192	FCMCDS DISTIL	0.	-0.296	0.	0.229	0.10	-57.	253.	58.	126.	597.	164.	0.42	2.	0.	57.	-21.
28192	FCMCDS DISTIL	0.	-4.970	0.	3.846	0.36	-4513.	741.	-9.	-1662.	5618.	588.	0.46	293.	778.	49.	-191.
28212	STM141 RESIDU	0.	-0.013	0.	0.022	0.09	-5.	-5.	-1.	7.	14.	1.	0.10	-0.	0.	46.	0.
28212	STM141 RESIDU	0.	-0.035	0.	0.059	0.20	-12.	-14.	-2.	18.	36.	2.	0.21	5.	5.	24.	1.
28212	STM141 COAL-F	0.	-0.013	0.	0.022	0.09	-5.	-48.	-1.	8.	-23.	10.	-0.02	-12.	0.	139.	1.
28212	STM141 COAL-F	0.	-0.035	0.	0.059	0.20	-12.	-62.	-2.	19.	-4.	12.	0.10	-5.	5.	50.	3.
28212	STM141 COAL-A	0.	-0.013	0.	0.022	0.09	42.	-48.	-1.	55.	-23.	10.	0.20	-10.	0.	123.	2.
28212	STM141 COAL-A	0.	-0.035	0.	0.059	0.20	39.	-62.	-2.	70.	-4.	12.	0.30	-0.	5.	36.	3.
28212	STM088 RESIDU	0.	-0.013	0.	0.022	0.09	-5.	-5.	-1.	7.	14.	1.	0.10	0.	0.	44.	0.
28212	STM088 RESIDU	0.	-0.024	0.	0.040	0.15	-9.	-10.	-1.	12.	25.	2.	0.16	3.	5.	24.	1.
28212	STM088 COAL-F	0.	-0.013	0.	0.022	0.09	-5.	-48.	-1.	8.	-23.	10.	-0.02	-12.	0.	137.	1.
28212	STM088 COAL-F	0.	-0.024	0.	0.040	0.15	-9.	-55.	-1.	14.	-14.	11.	0.05	-6.	3.	63.	2.
28212	STM088 COAL-A	0.	-0.013	0.	0.022	0.09	42.	-48.	-1.	55.	-23.	10.	0.20	-9.	0.	118.	2.
28212	STM088 COAL-A	0.	-0.024	0.	0.040	0.15	40.	-55.	-1.	62.	-14.	11.	0.25	-2.	3.	45.	3.
28212	PFBSTM COAL-P	0.	-0.014	0.	0.021	0.09	45.	-49.	1.	58.	-23.	12.	0.22	-12.	0.	141.	1.
28212	PFBSTM COAL-P	0.	-0.064	0.	0.098	0.27	51.	-79.	6.	104.	16.	24.	0.44	-4.	12.	43.	2.
28212	TISTMT RESIDU	0.	-0.014	0.	0.022	0.09	-5.	-5.	-1.	6.	13.	1.	0.10	-10.	0.	116.	-1.
28212	TISTMT RESIDU	0.	-0.085	0.	0.135	0.32	-30.	-34.	-4.	40.	84.	5.	0.34	-32.	17.	73.	-5.
28212	TISTMT COAL	0.	-0.014	0.	0.022	0.09	-5.	-49.	-1.	8.	-23.	9.	-0.03	-23.	0.	212.	-0.

INTELL PAGE PRINTING SYSTEM - 8118-03

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 33

ISE PEO AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING*****				-----EMISSIONS SAVING-----				CAPITL--ELECTRIC POWER---			
		ECS *****DIRECT*****	-----TOTAL-----	FESR	-----DIRECT-----	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC	SAVED	
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT		
28212	TISTMT	COAL	0.	-0.085	0.	0.135	0.32	-30.	-92.	-4.	42.	35.	17.
28212	TIHRSG	RESIDU	0.	-0.021	0.	0.014	0.06	-7.	-9.	-1.	4.	10.	0.
28212	TIHRSG	RESIDU	0.	-0.073	0.	0.048	0.15	-25.	-29.	-4.	13.	35.	1.
28212	TIHRSG	COAL	0.	-0.021	0.	0.014	0.06	-7.	-53.	-1.	5.	-28.	9.
28212	TIHRSG	COAL	0.	-0.073	0.	0.048	0.15	-25.	-84.	-4.	15.	-12.	12.
28212	STIRL	DISTIL	0.	-0.020	0.	0.015	0.06	20.	18.	6.	33.	44.	17.
28212	STIRL	DISTIL	0.	-0.148	0.	0.112	0.24	-10.	-18.	4.	75.	131.	28.
28212	STIRL	RESIDU	0.	-0.020	0.	0.015	0.06	-7.	-8.	-2.	4.	11.	-1.
28212	STIRL	RESIDU	0.	-0.148	0.	0.112	0.24	-52.	-59.	-17.	31.	79.	-7.
28212	STIRL	COAL	0.	-0.020	0.	0.015	0.06	-7.	-52.	-1.	6.	-27.	9.
28212	STIRL	COAL	0.	-0.148	0.	0.112	0.24	-52.	-129.	-7.	33.	19.	16.
28212	HEGT60	COAL-A	0.	-0.032	0.	0.004	0.02	37.	-59.	-2.	50.	-34.	9.
28212	HEGT60	COAL-A	0.	-0.537	0.	0.061	0.08	-63.	-363.	-27.	131.	-29.	17.
28212	HEGT00	COAL-A	0.	-0.028	0.	0.007	0.03	37.	-57.	-1.	50.	-32.	9.
28212	HEGT00	COAL-A	0.	-0.159	0.	0.040	0.10	5.	-136.	-8.	71.	-21.	12.
28212	FCMCCL	COAL	0.	-0.017	0.	0.019	0.08	7.	-28.	1.	20.	-3.	11.
28212	FCMCCL	COAL	0.	-0.162	0.	0.184	0.34	71.	81.	9.	183.	276.	38.
28212	FCSTCL	COAL	0.	-0.016	0.	0.020	0.09	5.	-32.	1.	18.	-6.	11.
28212	FCSTCL	COAL	0.	-0.222	0.	0.274	0.39	71.	81.	9.	232.	358.	47.
28212	IGGTST	COAL	0.	-0.020	0.	0.015	0.06	-7.	-52.	1.	6.	-27.	11.
28212	IGGTST	COAL	0.	-0.193	0.	0.147	0.27	-68.	-156.	8.	43.	36.	36.
28212	GTSGAR	RESIDU	-0.020	0.	-0.020	0.035	0.06	-8.	-8.	-0.	4.	12.	2.
28212	GTSGAR	RESIDU	-0.221	0.	-0.221	0.383	0.28	-83.	-83.	-2.	40.	126.	21.
28212	GTAC08	RESIDU	0.	-0.016	0.	0.019	0.08	-16.	-7.	-2.	-5.	12.	-1.
28212	GTAC08	RESIDU	0.	-0.131	0.	0.150	0.31	-129.	-52.	-15.	-40.	97.	-4.
28212	GTAC12	RESIDU	0.	-0.017	0.	0.018	0.08	-15.	-7.	-2.	-4.	12.	-0.
28212	GTAC12	RESIDU	0.	-0.169	0.	0.185	0.33	-152.	-68.	-18.	-39.	121.	-4.
28212	GTAC16	RESIDU	0.	-0.017	0.	0.018	0.08	-15.	-7.	-2.	-4.	12.	-0.
28212	GTAC16	RESIDU	0.	-0.201	0.	0.206	0.34	-171.	-80.	-21.	-42.	136.	-5.
28212	GTWC16	RESIDU	0.	-0.019	0.	0.017	0.07	-16.	-8.	-2.	-4.	11.	-1.
28212	GTWC16	RESIDU	0.	-0.222	0.	0.196	0.32	-184.	-89.	-22.	-51.	133.	-7.
28212	CC1626	RESIDU	0.	-0.019	0.	0.016	0.07	-14.	-8.	-2.	-3.	11.	-0.
28212	CC1626	RESIDU	0.	-0.340	0.	0.288	0.35	-255.	-136.	-31.	-55.	197.	-8.
28212	CC1622	RESIDU	0.	-0.018	0.	0.017	0.07	-14.	-7.	-2.	-3.	11.	-0.
28212	CC1622	RESIDU	0.	-0.293	0.	0.272	0.35	-226.	-117.	-28.	-47.	183.	-6.
28212	CC1222	RESIDU	0.	-0.018	0.	0.017	0.07	-14.	-7.	-2.	-3.	12.	-0.
28212	CC1222	RESIDU	0.	-0.288	0.	0.273	0.36	-223.	-115.	-27.	-45.	183.	-6.
28212	CC0822	RESIDU	0.	-0.017	0.	0.018	0.08	-14.	-7.	-2.	-3.	12.	-0.
28212	CC0822	RESIDU	0.	-0.212	0.	0.231	0.36	-178.	-85.	-22.	-37.	151.	-4.
28212	STIG15	RESIDU	0.	-0.029	0.	0.006	0.03	-18.	-12.	-1.	-7.	7.	0.
28212	STIG15	RESIDU	0.	-13.014	0.	2.721	0.17	-7859.	-5206.	-386.	-2894.	3010.	25.
28212	STIG10	RESIDU	0.	-0.027	0.	0.009	0.04	-17.	-11.	-1.	-6.	8.	0.
28212	STIG10	RESIDU	0.	-1.095	0.	0.361	0.22	-707.	-438.	-29.	-247.	325.	14.
28212	STIG15	RESIDU	0.	-0.025	0.	0.010	0.04	-17.	-10.	-1.	-8.	8.	0.
28212	STIG15	RESIDU	0.	-0.613	0.	0.241	0.23	-418.	-245.	-14.	-148.	203.	12.
28212	DEADV3	RESIDU	0.	-0.024	0.	0.011	0.05	-27.	-10.	-2.	-16.	9.	-1.

KEYWELL PAGE PRINTING SYSTEM - PAPER-2

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 34

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

U

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				- - - EMISSIONS SAVINGS - - -				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	TOTAL EXPORT
28212	DEADV3	RESIDU	0.	-0.746	0.	0.353	0.27	-830.	-298.	-62.	-482.	280.	-27.-0.19
28212	DEHTPM	RESIDU	0.	-0.019	0.	0.017	0.07	-29.	-7.	-2.	-18.	11.	-1.-0.03
28212	DEHTPM	RESIDU	0.	-0.199	0.	0.182	0.31	-311.	-80.	-21.	-190.	123.	-6.-0.14
28212	DESOA3	DISTIL	-0.026	0.	-0.026	0.035	0.04	-42.	39.	2.	-33.	52.	-5.0.10
28212	DESOA3	DISTIL	-0.964	0.	-0.964	1.316	0.23	-2194.	-113.	2.	-1779.	571.	33.-0.89
28212	DESOA3	RESIDU	-0.026	0.	-0.026	0.035	0.04	-126.	-10.	-0.	-115.	10.	2.-0.78
28212	DESOA3	RESIDU	-0.964	0.	-0.964	1.316	0.23	-4702.	-363.	-8.	-4279.	357.	70.-2.92
28212	GTSOAD	DISTIL	-0.018	0.	-0.018	0.035	0.07	-7.	-3.	0.	4.	16.	1.0.25
28212	GTSOAD	DISTIL	-0.175	0.	-0.175	0.344	0.31	-70.	-28.	0.	39.	154.	13.0.56
28212	GTRA08	DISTIL	0.	-0.020	0.	0.015	0.06	14.	18.	6.	27.	44.	17.0.42
28212	GTRA08	DISTIL	0.	-0.351	0.	0.266	0.32	-151.	-75.	1.	50.	269.	45.0.48
28212	GTRA12	DISTIL	0.	-0.020	0.	0.016	0.07	14.	18.	6.	27.	44.	17.0.42
28212	GTRA12	DISTIL	0.	-0.327	0.	0.265	0.33	-141.	-68.	1.	51.	262.	44.0.49
28212	GTRA16	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.0.42
28212	GTRA16	DISTIL	0.	-0.298	0.	0.247	0.33	-129.	-60.	2.	48.	244.	42.0.49
28212	GTR208	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.0.41
28212	GTR208	DISTIL	0.	-0.241	0.	0.202	0.31	-106.	-44.	3.	38.	204.	37.0.47
28212	GTR212	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.0.42
28212	GTR212	DISTIL	0.	-0.258	0.	0.217	0.32	-113.	-49.	2.	41.	217.	38.0.48
28212	GTR216	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.0.42
28212	GTR216	DISTIL	0.	-0.261	0.	0.227	0.33	-115.	-50.	2.	44.	223.	39.0.49
28212	GTRW08	DISTIL	0.	-0.022	0.	0.013	0.05	14.	18.	6.	27.	43.	16.0.41
28212	GTRW08	DISTIL	0.	-0.463	0.	0.267	0.29	-195.	-106.	-1.	41.	299.	50.0.46
28212	GTRW12	DISTIL	0.	-0.021	0.	0.014	0.06	14.	18.	6.	27.	43.	16.0.41
28212	GTRW12	DISTIL	0.	-0.439	0.	0.290	0.31	-186.	-100.	-1.	50.	305.	50.0.48
28212	GTRW16	DISTIL	0.	-0.021	0.	0.014	0.06	14.	18.	6.	27.	43.	16.0.41
28212	GTRW16	DISTIL	0.	-0.395	0.	0.271	0.31	-168.	-87.	-0.	48.	283.	47.0.48
28212	GTR308	DISTIL	0.	-0.024	0.	0.012	0.05	13.	17.	6.	26.	43.	16.0.40
28212	GTR308	DISTIL	0.	-0.368	0.	0.184	0.24	-157.	-80.	0.	22.	228.	41.0.42
28212	GTR312	DISTIL	0.	-0.020	0.	0.015	0.06	14.	18.	6.	27.	44.	17.0.41
28212	GTR312	DISTIL	0.	-0.328	0.	0.239	0.31	-141.	-68.	1.	42.	248.	43.0.47
28212	GTR316	DISTIL	0.	-0.021	0.	0.015	0.06	14.	18.	6.	27.	44.	17.0.41
28212	GTR316	DISTIL	0.	-0.324	0.	0.233	0.31	-140.	-67.	1.	41.	244.	42.0.47
28212	FCPADS	DISTIL	0.	-0.024	0.	0.012	0.05	20.	26.	7.	33.	51.	17.0.48
28212	FCPADS	DISTIL	0.	-0.809	0.	0.392	0.28	-126.	81.	10.	261.	743.	89.0.85
28212	FCMCDS	DISTIL	0.	-0.020	0.	0.015	0.07	5.	26.	6.	18.	51.	17.0.41
28212	FCMCDS	DISTIL	0.	-0.535	0.	0.414	0.36	-486.	80.	-1.	-179.	605.	63.0.46
28213	STM141	RESIDU	0.	-0.002	0.	0.003	0.01	-1.	-1.	-0.	1.	2.	0.0.01
28213	STM141	COAL-F	0.	-0.002	0.	0.003	0.01	-1.	-4.	-0.	1.	-1.	1.0.00
28213	STM141	COAL-A	0.	-0.002	0.	0.003	0.01	3.	-4.	-0.	4.	-1.	1.0.01
28213	STM088	RESIDU	0.	-0.001	0.	0.001	0.00	-0.	-0.	-0.	0.	1.	0.0.00
28213	STM088	COAL-F	0.	-0.001	0.	0.001	0.00	-0.	-3.	-0.	1.	-2.	1.-0.00
28213	STM088	COAL-A	0.	-0.001	0.	0.001	0.00	3.	-3.	-0.	4.	-2.	1.0.01
28213	PFBSTM	COAL-P	0.	-0.004	0.	0.005	0.01	4.	-5.	0.	7.	0.	2.0.02
28213	T1STMT	RESIDU	0.	-0.005	0.	0.008	0.02	-2.	-2.	-0.	2.	5.	0.0.02
28213	T1STMT	COAL	0.	-0.005	0.	0.008	0.02	-2.	-6.	-0.	3.	2.	1.0.01

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---					
		ECS *****DIRECT*****		TOTAL----		FESR-----		DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX						PART
MWH																	
28213	TIHRSG	RESIDU	0.	-0.006	0.	0.003	0.01	-2.	-2.	-0.	1.	3.	0. 0.01	-6.	0.	63.	-1
28213	TIHRSG	COAL	0.	-0.006	0.	0.003	0.01	-2.	-6.	-0.	1.	-1.	1. 0.00	-8.	0.	50.	-1
28213	STIRL	DISTIL	0.	-0.011	0.	0.008	0.02	-1.	-1.	0.	5.	9.	2. 0.04	1.	0.	67.	-0
28213	STIRL	RESIDU	0.	-0.011	0.	0.008	0.02	-4.	-4.	-1.	2.	5.	-1. 0.02	1.	0.	59.	0
28213	STIRL	COAL	0.	-0.011	0.	0.008	0.02	-4.	-9.	-1.	2.	1.	1. 0.01	-1.	0.	46.	0
28213	HEGT60	COAL-A	0.	-0.048	0.	0.003	0.01	-6.	-32.	-2.	10.	-3.	1. 0.02	-12.	0.	52.	-1
28213	HEGT00	COAL-A	0.	-0.012	0.	0.003	0.01	0.	-10.	-1.	5.	-2.	1. 0.01	-5.	0.	48.	-0
28213	FCMCCL	COAL	0.	-0.012	0.	0.014	0.03	5.	6.	1.	13.	20.	3. 0.08	-5.	0.	48.	-0
28213	FCSTCL	COAL	0.	-0.015	0.	0.018	0.04	5.	6.	1.	16.	24.	3. 0.10	-6.	0.	48.	-0
28213	IGGTST	COAL	0.	-0.013	0.	0.009	0.02	-4.	-11.	1.	3.	2.	2. 0.02	-6.	0.	49.	-0
28213	GTSGAR	RESIDU	-0.017	0.	-0.017	0.029	0.02	-6.	-6.	-0.	3.	9.	2. 0.03	1.	0.	59.	0
28213	GTAC08	RESIDU	0.	-0.010	0.	0.011	0.02	-9.	-4.	-1.	-3.	7.	-0. 0.01	1.	0.	59.	0
28213	GTAC12	RESIDU	0.	-0.012	0.	0.014	0.03	-11.	-5.	-1.	-3.	9.	-0. 0.01	1.	0.	58.	0
28213	GTAC16	RESIDU	0.	-0.015	0.	0.015	0.03	-13.	-6.	-2.	-3.	10.	-0. 0.01	1.	0.	58.	0
28213	GTWC16	RESIDU	0.	-0.016	0.	0.014	0.03	-14.	-7.	-2.	-4.	10.	-0. 0.01	1.	0.	58.	0
28213	CC1626	RESIDU	0.	-0.023	0.	0.019	0.04	-17.	-9.	-2.	-4.	13.	-1. 0.02	1.	0.	58.	0
28213	CC1622	RESIDU	0.	-0.020	0.	0.018	0.04	-15.	-8.	-2.	-4.	12.	-0. 0.02	1.	0.	58.	0
28213	CC1222	RESIDU	0.	-0.019	0.	0.018	0.04	-15.	-8.	-2.	-4.	12.	-0. 0.02	1.	0.	58.	0
28213	CC0822	RESIDU	0.	-0.014	0.	0.015	0.03	-12.	-6.	-1.	-3.	10.	-0. 0.01	1.	0.	59.	0
28213	DEADV3	RESIDU	0.	-0.059	0.	0.027	0.06	-65.	-24.	-5.	-38.	22.	-2. -0.04	1.	0.	57.	-0
28213	DEHTPM	RESIDU	0.	-0.015	0.	0.012	0.03	-23.	-6.	-2.	-14.	8.	-1. -0.01	-1.	0.	60.	-0
28213	DESOA3	DISTIL	-0.078	0.	-0.078	0.105	0.06	-175.	-9.	0.	-142.	45.	3. -0.22	0.	0.	65.	-1
28213	DESOA3	RESIDU	-0.078	0.	-0.078	0.105	0.06	-374.	-29.	-1.	-340.	28.	6. -0.70	0.	0.	58.	-0
28213	GTSGAD	DISTIL	-0.013	0.	-0.013	0.025	0.03	-5.	-2.	0.	3.	11.	1. 0.04	1.	0.	66.	0
28213	GTRA08	DISTIL	0.	-0.028	0.	0.020	0.04	-12.	-6.	0.	4.	20.	3. 0.06	1.	0.	65.	-0
28213	GTRA12	DISTIL	0.	-0.025	0.	0.020	0.04	-11.	-5.	0.	4.	20.	3. 0.06	1.	0.	65.	-0
28213	GTRA16	DISTIL	0.	-0.023	0.	0.018	0.04	-10.	-5.	0.	3.	18.	3. 0.06	1.	0.	66.	-0
28213	GTR206	DISTIL	0.	-0.018	0.	0.015	0.03	-8.	-3.	0.	3.	15.	3. 0.05	1.	0.	66.	-0
28213	GTR212	DISTIL	0.	-0.020	0.	0.016	0.03	-9.	-4.	0.	3.	16.	3. 0.05	1.	0.	66.	-0
28213	GTR216	DISTIL	0.	-0.020	0.	0.017	0.03	-9.	-4.	0.	3.	17.	3. 0.05	1.	0.	66.	-0
28213	GTRW08	DISTIL	0.	-0.036	0.	0.020	0.04	-15.	-8.	-0.	3.	23.	4. 0.07	1.	0.	65.	-0
28213	GTRW12	DISTIL	0.	-0.034	0.	0.022	0.05	-14.	-8.	-0.	4.	23.	4. 0.07	1.	0.	65.	-0
28213	GTRW16	DISTIL	0.	-0.030	0.	0.020	0.04	-13.	-7.	-0.	3.	21.	4. 0.06	1.	0.	65.	-0
28213	GTR308	DISTIL	0.	-0.028	0.	0.014	0.03	-12.	-6.	0.	2.	17.	3. 0.05	1.	0.	66.	-0
28213	GTR312	DISTIL	0.	-0.025	0.	0.018	0.04	-11.	-5.	0.	3.	18.	3. 0.06	1.	0.	66.	-0
28213	GTR316	DISTIL	0.	-0.024	0.	0.017	0.04	-10.	-5.	0.	3.	18.	3. 0.05	1.	0.	66.	-0
28213	FCPADS	DISTIL	0.	-0.059	0.	0.029	0.06	-9.	6.	1.	19.	55.	7. 0.18	3.	0.	66.	-1
28213	FCMCDS	DISTIL	0.	-0.039	0.	0.030	0.06	-36.	6.	-0.	-13.	45.	5. 0.08	2.	0.	65.	-1
28221	STM141	RESIDU	0.	-0.007	0.	0.011	0.12	-2.	-3.	-0.	3.	7.	0. 0.12	0.	0.	54.	0
28221	STM141	COAL-F	0.	-0.007	0.	0.011	0.12	-2.	-11.	-0.	4.	0.	2. 0.07	-2.	0.	55.	0
28221	STM141	COAL-A	0.	-0.007	0.	0.011	0.12	6.	-11.	-0.	12.	0.	2. 0.17	-2.	0.	51.	0
28221	STM088	RESIDU	0.	-0.005	0.	0.008	0.09	-2.	-2.	-0.	2.	5.	0. 0.09	0.	0.	55.	0
28221	STM088	COAL-F	0.	-0.005	0.	0.008	0.09	-2.	-9.	-0.	3.	-1.	2. 0.04	-2.	0.	56.	0
28221	STM088	COAL-A	0.	-0.005	0.	0.008	0.09	6.	-9.	-0.	11.	-1.	2. 0.13	-2.	0.	52.	0
28221	PFBSTM	COAL-P	0.	-0.011	0.	0.018	0.19	8.	-13.	1.	18.	4.	4. 0.29	-3.	0.	57.	0
28221	TISTMT	RESIDU	0.	-0.015	0.	0.024	0.25	-5.	-6.	-1.	7.	15.	1. 0.26	-10.	0.	89.	-1

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ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---	
		*****DIRECT*****		-----TOTAL-----		FESR		DIRECT-----		*****TOTAL*****		EMSR SAVING		TOTAL	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	SAVED
28221	TISTNT	COAL	0.	-0.015	0.	0.024	0.25	-5.	-16.	-1.	7.	7.	3. 0.20	-15.	0.
28221	TIHRSG	RESIDU	0.	-0.010	0.	0.009	0.09	-3.	-4.	-0.	3.	6.	0. 0.10	-10.	0.
28221	TIHRSG	COAL	0.	-0.010	0.	0.009	0.09	-3.	-12.	-0.	3.	-1.	2. 0.04	-14.	0.
28221	STIRL	DISTIL	0.	-0.026	0.	0.021	0.22	-2.	-4.	1.	13.	23.	5. 0.48	2.	0.
28221	STIRL	RESIDU	0.	-0.026	0.	0.021	0.22	-9.	-10.	-3.	6.	15.	-1. 0.22	2.	0.
28221	STIRL	COAL	0.	-0.026	0.	0.021	0.22	-9.	-22.	-1.	6.	5.	3. 0.16	-1.	0.
28221	HEGT85	COAL-A	0.	-0.051	0.	0.012	0.13	-3.	-37.	-3.	18.	-2.	2. 0.21	-16.	0.
28221	HEGT85	COAL-A	0.	-0.141	0.	0.033	0.16	-20.	-91.	-7.	36.	5.	5. 0.24	-24.	10.
28221	HEGT60	COAL-A	0.	-0.049	0.	0.014	0.15	-3.	-36.	-2.	17.	-0.	3. 0.22	-14.	0.
28221	HEGT60	COAL-A	0.	-0.055	0.	0.016	0.15	-4.	-39.	-3.	19.	0.	3. 0.23	-14.	1.
28221	HEGT00	COAL-A	0.	-0.023	0.	0.007	0.08	1.	-20.	-1.	11.	-3.	2. 0.12	-8.	0.
28221	FCMCL	COAL	0.	-0.026	0.	0.030	0.31	11.	13.	1.	29.	44.	6. 0.92	-8.	0.
28221	FCSTCL	COAL	0.	-0.028	0.	0.035	0.37	8.	8.	1.	29.	44.	6. 0.90	-9.	0.
28221	FCSTCL	COAL	0.	-0.038	0.	0.047	0.40	11.	13.	1.	39.	60.	8. 1.00	-9.	2.
28221	IGGTST	COAL	0.	-0.033	0.	0.026	0.27	-12.	-26.	1.	8.	7.	6. 0.24	-8.	0.
28221	GTSGAR	RESIDU	-0.031	0.	-0.031	0.058	0.28	-12.	-12.	-0.	6.	20.	3. 0.39	2.	0.
28221	GTAC08	RESIDU	0.	-0.021	0.	0.024	0.25	-21.	-9.	-2.	-6.	16.	-1. 0.10	2.	0.
28221	GTAC12	RESIDU	0.	-0.027	0.	0.030	0.31	-24.	-11.	-3.	-6.	19.	-1. 0.14	3.	0.
28221	GTAC16	RESIDU	0.	-0.030	0.	0.033	0.34	-26.	-12.	-3.	-6.	21.	-1. 0.17	3.	0.
28221	GTAC16	RESIDU	0.	-0.031	0.	0.033	0.34	-27.	-12.	-3.	-6.	22.	-1. 0.17	3.	0.
28221	GTWC16	RESIDU	0.	-0.034	0.	0.030	0.31	-28.	-13.	-3.	-8.	20.	-1. 0.13	2.	0.
28221	GTWC16	RESIDU	0.	-0.036	0.	0.031	0.32	-30.	-14.	-4.	-8.	21.	-1. 0.13	3.	0.
28221	CC1626	RESIDU	0.	-0.034	0.	0.029	0.31	-25.	-14.	-3.	-5.	20.	-1. 0.16	2.	0.
28221	CC1626	RESIDU	0.	-0.057	0.	0.049	0.35	-42.	-23.	-5.	-9.	34.	-1. 0.19	5.	4.
28221	CC1622	RESIDU	0.	-0.033	0.	0.031	0.32	-25.	-13.	-3.	-5.	21.	-1. 0.17	2.	0.
28221	CC1622	RESIDU	0.	-0.049	0.	0.046	0.36	-38.	-20.	-5.	-7.	31.	-1. 0.20	4.	3.
28221	CC1222	RESIDU	0.	-0.032	0.	0.031	0.32	-25.	-13.	-3.	-5.	21.	-1. 0.18	2.	0.
28221	CC1222	RESIDU	0.	-0.049	0.	0.047	0.37	-37.	-19.	-5.	-7.	31.	-1. 0.20	4.	3.
28221	CC0822	RESIDU	0.	-0.030	0.	0.033	0.35	-25.	-12.	-3.	-5.	22.	-0. 0.19	2.	0.
28221	CC0822	RESIDU	0.	-0.036	0.	0.040	0.37	-30.	-14.	-4.	-6.	26.	-1. 0.20	3.	1.
28221	STIG15	RESIDU	0.	-0.052	0.	0.011	0.11	-32.	-21.	-2.	-12.	12.	0. 0.01	1.	0.
28221	STIG15	RESIDU	0.	-2.094	0.	0.438	0.17	-1265.	-638.	-62.	-466.	484.	4. 0.01	152.	232.
28221	STIG10	RESIDU	0.	-0.048	0.	0.016	0.16	-31.	-19.	-1.	-11.	14.	1. 0.05	2.	0.
28221	STIG10	RESIDU	0.	-0.176	0.	0.058	0.22	-114.	-70.	-5.	-40.	52.	2. 0.06	13.	16.
28221	STIG15	RESIDU	0.	-0.045	0.	0.018	0.19	-31.	-18.	-1.	-11.	15.	1. 0.06	2.	0.
28221	STIG15	RESIDU	0.	-0.099	0.	0.039	0.23	-67.	-39.	-2.	-24.	33.	2. 0.07	7.	7.
28221	DEADV3	RESIDU	0.	-0.041	0.	0.023	0.24	-47.	-16.	-3.	-27.	17.	-1. 0.13	-0.	0.
28221	DEADV3	RESIDU	0.	-0.095	0.	0.053	0.29	-110.	-38.	-8.	-63.	40.	-3. 0.16	4.	8.
28221	DEHTPM	RESIDU	0.	-0.030	0.	0.034	0.35	-46.	-12.	-3.	-26.	22.	-1. 0.06	0.	0.
28221	DEHTPM	RESIDU	0.	-0.032	0.	0.036	0.36	-50.	-13.	-3.	-28.	23.	-1. 0.06	1.	0.
28221	DESQA3	DISTIL	-0.044	0.	-0.044	0.063	0.20	-103.	-0.	0.	-84.	32.	1. 0.68	-0.	0.
28221	DESQA3	DISTIL	-0.119	0.	-0.119	0.171	0.26	-284.	-12.	0.	-230.	76.	4. 0.86	1.	10.
28221	DESQA3	RESIDU	-0.044	0.	-0.044	0.063	0.20	-225.	-17.	-0.	-205.	18.	3. 2.46	-0.	0.
28221	DESQA3	RESIDU	-0.119	0.	-0.119	0.171	0.26	-609.	-45.	-1.	-554.	49.	9. 2.85	1.	10.
28221	GTSGAD	DISTIL	-0.027	0.	-0.027	0.054	0.29	-11.	-4.	0.	6.	25.	2. 0.49	3.	0.
28221	GTRA08	DISTIL	0.	-0.033	0.	0.030	0.31	-13.	-6.	1.	7.	30.	6. 0.49	2.	0.

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LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****						-----EMISSIONS SAVINGS-----						CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING		TOTAL COST LAEC			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	SAVED	MWH		
28221	GTRA08	DISTIL	0.	-0.047	0.	0.042	0.34	-20.	-9.	0.	8.	40.	7. 0.50	3.	2.	38.	-0.
28221	GTRA12	DISTIL	0.	-0.033	0.	0.030	0.32	-13.	-5.	1.	7.	30.	6. 0.49	2.	0.	42.	-0.
28221	GTRA12	DISTIL	0.	-0.045	0.	0.042	0.35	-20.	-9.	0.	9.	40.	7. 0.50	3.	2.	37.	-0.
28221	GTRA16	DISTIL	0.	-0.033	0.	0.031	0.32	-13.	-5.	1.	7.	30.	6. 0.49	1.	0.	43.	-0.
28221	GTRA16	DISTIL	0.	-0.042	0.	0.039	0.35	-18.	-8.	0.	8.	37.	6. 0.50	3.	2.	38.	-0.
28221	GTR208	DISTIL	0.	-0.033	0.	0.030	0.32	-14.	-5.	1.	6.	30.	6. 0.48	2.	0.	38.	-0.
28221	GTR208	DISTIL	0.	-0.035	0.	0.033	0.32	-16.	-6.	0.	6.	32.	6. 0.48	3.	0.	36.	0.
28221	GTR212	DISTIL	0.	-0.033	0.	0.030	0.32	-14.	-5.	1.	6.	30.	6. 0.48	2.	0.	40.	-0.
28221	GTR212	DISTIL	0.	-0.038	0.	0.035	0.33	-17.	-7.	0.	7.	34.	6. 0.49	3.	1.	37.	-0.
28221	GTR216	DISTIL	0.	-0.032	0.	0.031	0.32	-14.	-5.	1.	7.	30.	6. 0.49	2.	0.	40.	-0.
28221	GTR216	DISTIL	0.	-0.038	0.	0.036	0.34	-17.	-7.	0.	7.	35.	6. 0.49	3.	1.	37.	-0.
28221	GTRW08	DISTIL	0.	-0.038	0.	0.025	0.26	-15.	-7.	0.	6.	29.	5. 0.46	1.	0.	47.	-0.
28221	GTRW08	DISTIL	0.	-0.064	0.	0.042	0.30	-27.	-14.	-0.	7.	45.	8. 0.47	4.	4.	40.	-1.
28221	GTRW12	DISTIL	0.	-0.037	0.	0.027	0.28	-14.	-6.	0.	7.	29.	5. 0.47	1.	0.	46.	-0.
28221	GTRW12	DISTIL	0.	-0.063	0.	0.046	0.32	-27.	-14.	0.	8.	46.	8. 0.48	4.	4.	39.	-1.
28221	GTRW16	DISTIL	0.	-0.036	0.	0.027	0.28	-14.	-6.	0.	7.	29.	5. 0.47	1.	0.	46.	-0.
28221	GTRW16	DISTIL	0.	-0.058	0.	0.043	0.32	-25.	-12.	0.	8.	44.	7. 0.48	3.	4.	40.	-1.
28221	GTR308	DISTIL	0.	-0.040	0.	0.023	0.24	-16.	-7.	0.	4.	28.	5. 0.43	2.	0.	45.	-0.
28221	GTR308	DISTIL	0.	-0.051	0.	0.030	0.26	-22.	-11.	0.	4.	35.	6. 0.44	3.	2.	41.	-0.
28221	GTR312	DISTIL	0.	-0.036	0.	0.027	0.29	-14.	-6.	0.	6.	29.	6. 0.47	2.	0.	43.	-0.
28221	GTR312	DISTIL	0.	-0.050	0.	0.038	0.32	-22.	-10.	0.	7.	39.	7. 0.48	4.	2.	38.	-0.
28221	GTR316	DISTIL	0.	-0.036	0.	0.027	0.28	-15.	-6.	0.	6.	29.	6. 0.47	2.	0.	44.	-0.
28221	GTR316	DISTIL	0.	-0.049	0.	0.037	0.31	-21.	-10.	0.	7.	38.	7. 0.48	3.	2.	39.	-0.
28221	FCPADS	DISTIL	0.	-0.043	0.	0.021	0.22	-4.	7.	1.	17.	42.	6. 0.75	1.	0.	60.	-1.
28221	FCPADS	DISTIL	0.	-0.130	0.	0.063	0.28	-20.	13.	2.	42.	120.	14. 0.85	6.	12.	56.	-5.
28221	FCMCDS	DISTIL	0.	-0.036	0.	0.028	0.29	-30.	8.	1.	-9.	43.	6. 0.45	1.	0.	55.	-1.
28221	FCMCDS	DISTIL	0.	-0.086	0.	0.067	0.36	-78.	13.	-0.	-29.	97.	10. 0.46	4.	8.	51.	-3.
28241	STM141	RESIDU	0.	-0.004	0.	0.007	0.02	-1.	-2.	-0.	2.	4.	0. 0.02	-0.	0.	59.	0.
28241	STM141	COAL-F	0.	-0.004	0.	0.007	0.02	-1.	-8.	-0.	2.	-1.	2. 0.01	-2.	0.	48.	0.
28241	STM141	COAL-A	0.	-0.004	0.	0.007	0.02	5.	-8.	-0.	9.	-1.	2. 0.03	-2.	0.	47.	0.
28241	STM088	RESIDU	0.	-0.003	0.	0.004	0.01	-1.	-1.	-0.	1.	3.	0. 0.01	0.	0.	60.	0.
28241	STM088	COAL-F	0.	-0.003	0.	0.004	0.01	-1.	-7.	-0.	2.	-3.	1. 0.00	-2.	0.	48.	0.
28241	STM088	COAL-A	0.	-0.003	0.	0.004	0.01	6.	-7.	-0.	8.	-3.	1. 0.03	-2.	0.	47.	0.
28241	PFBSTM	COAL-P	0.	-0.008	0.	0.012	0.04	7.	-10.	1.	14.	1.	3. 0.07	-3.	0.	48.	0.
28241	TISTMT	RESIDU	0.	-0.011	0.	0.017	0.06	-4.	-4.	-1.	5.	10.	1. 0.06	-9.	0.	67.	-1.
28241	TISTMT	COAL	0.	-0.011	0.	0.017	0.06	-4.	-12.	-1.	5.	4.	2. 0.04	-13.	0.	57.	-1.
28241	TIHRSG	RESIDU	0.	-0.010	0.	0.007	0.02	-3.	-4.	-0.	2.	5.	0. 0.02	-9.	0.	68.	-1.
28241	TIHRSG	COAL	0.	-0.010	0.	0.007	0.02	-3.	-11.	-0.	2.	-2.	2. 0.01	-13.	0.	57.	-1.
28241	STIRL	DISTIL	0.	-0.021	0.	0.016	0.05	-1.	-3.	1.	11.	18.	4. 0.12	2.	0.	64.	-0.
28241	STIRL	RESIDU	0.	-0.021	0.	0.016	0.05	-7.	-8.	-2.	4.	11.	-1. 0.05	2.	0.	56.	0.
28241	STIRL	COAL	0.	-0.021	0.	0.016	0.05	-7.	-18.	-1.	5.	3.	2. 0.04	-1.	0.	46.	1.
28241	HEGT60	COAL-A	0.	-0.067	0.	0.010	0.03	-7.	-46.	-3.	17.	-3.	2. 0.06	-15.	0.	59.	-1.
28241	HEGT00	COAL-A	0.	-0.022	0.	0.006	0.02	1.	-19.	-1.	10.	-3.	2. 0.03	-7.	0.	52.	-0.
28241	FCMCCL	COAL	0.	-0.022	0.	0.025	0.09	10.	11.	1.	25.	38.	5. 0.25	-7.	0.	51.	-0.
28241	FCSTCL	COAL	0.	-0.029	0.	0.036	0.12	10.	11.	1.	31.	47.	6. 0.31	-8.	0.	51.	-0.
28241	IGGTST	COAL	0.	-0.025	0.	0.019	0.06	-9.	-21.	1.	5.	4.	5. 0.05	-8.	0.	52.	-0.

KEYWELL PAGE PRINTING SYSTEM- 21105-02

DATE 05/08/79

GENERAL ELECTRIC COMPANY

PAGE 38

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

□

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---		COST	LAEC
		ECS	*****DIRECT*****	-----TOTAL-----	-----FESR-----	-----DIRECT-----	*****TOTAL*****	*****DIRECT*****	*****TOTAL*****	EMSR	SAVING	TOTAL	EXPORT	SAVING	EXPORT		
			FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART						
28241	GTSCAR	RESIDU	-0.030	0.	-0.030	0.052	0.03	-11.	-11.	-0.	5.	17.	3.	0.10	2.	0.	55.
28241	GTAC08	RESIDU	0.	-0.018	0.	0.021	0.07	-18.	-7.	-2.	-5.	13.	-1.	0.03	2.	0.	56.
28241	GTAC12	RESIDU	0.	-0.023	0.	0.025	0.09	-21.	-9.	-3.	-5.	17.	-1.	0.04	2.	0.	54.
28241	GTAC16	RESIDU	0.	-0.027	0.	0.028	0.10	-23.	-11.	-3.	-6.	19.	-1.	0.05	2.	0.	54.
28241	GTWC16	RESIDU	0.	-0.031	0.	0.027	0.09	-25.	-12.	-3.	-7.	18.	-1.	0.04	2.	0.	54.
28241	CC1626	RESIDU	0.	-0.045	0.	0.038	0.13	-34.	-18.	-4.	-8.	26.	-1.	0.06	3.	0.	52.
28241	CC1622	RESIDU	0.	-0.039	0.	0.035	0.12	-30.	-15.	-4.	-7.	24.	-1.	0.06	3.	0.	53.
28241	CC1222	RESIDU	0.	-0.038	0.	0.035	0.12	-30.	-15.	-4.	-6.	24.	-1.	0.06	3.	0.	52.
28241	CC0822	RESIDU	0.	-0.028	0.	0.030	0.10	-24.	-11.	-3.	-5.	20.	-1.	0.05	2.	0.	54.
28241	STIG15	RESIDU	0.	-0.223	0.	0.047	0.16	-135.	-89.	-7.	-50.	52.	0.	0.01	13.	0.	43.
28241	STIG15	RESIDU	0.	-1.795	0.	0.375	0.17	-1084.	-718.	-53.	-399.	415.	3.	0.01	131.	178.	39.
28241	STIG10	RESIDU	0.	-0.151	0.	0.050	0.17	-98.	-60.	-4.	-34.	45.	2.	0.05	10.	0.	44.
28241	STIG15	RESIDU	0.	-0.085	0.	0.033	0.11	-56.	-34.	-2.	-20.	28.	2.	0.03	6.	0.	50.
28241	DEADV3	RESIDU	0.	-0.098	0.	0.048	0.16	-110.	-39.	-8.	-64.	38.	-4.	-0.11	3.	0.	50.
28241	DEH1PM	RESIDU	0.	-0.028	0.	0.026	0.09	-43.	-11.	-3.	-26.	18.	-1.	-0.03	0.	0.	57.
28241	DES0A3	DISTIL	-0.126	0.	-0.126	0.174	0.16	-289.	-15.	0.	-235.	76.	4.	-0.59	1.	0.	59.
28241	DES0A3	RESIDU	-0.126	0.	-0.126	0.174	0.16	-620.	-47.	-1.	-564.	47.	9.	-1.92	1.	0.	53.
28241	GTSCAD	DISTIL	-0.024	0.	-0.024	0.047	0.08	-10.	-4.	0.	5.	21.	2.	0.11	2.	0.	62.
28241	GTRA08	DISTIL	0.	-0.047	0.	0.036	0.12	-20.	-10.	0.	7.	36.	6.	0.18	3.	0.	59.
28241	GTRA12	DISTIL	0.	-0.044	0.	0.036	0.12	-19.	-9.	0.	7.	36.	6.	0.18	3.	0.	59.
28241	GTRA16	DISTIL	0.	-0.040	0.	0.034	0.11	-17.	-8.	0.	7.	33.	6.	0.17	2.	0.	60.
28241	GTR208	DISTIL	0.	-0.033	0.	0.028	0.09	-14.	-6.	0.	5.	28.	5.	0.14	2.	0.	61.
28241	GTR212	DISTIL	0.	-0.035	0.	0.030	0.10	-15.	-7.	0.	6.	30.	5.	0.15	2.	0.	61.
28241	GTR216	DISTIL	0.	-0.035	0.	0.031	0.11	-16.	-7.	0.	6.	31.	5.	0.15	2.	0.	61.
28241	GTRW08	DISTIL	0.	-0.062	0.	0.037	0.12	-26.	-14.	-0.	6.	41.	7.	0.19	4.	0.	58.
28241	GTRW12	DISTIL	0.	-0.059	0.	0.040	0.13	-25.	-13.	-0.	7.	42.	7.	0.20	4.	0.	58.
28241	GTRW16	DISTIL	0.	-0.053	0.	0.037	0.13	-23.	-12.	0.	7.	39.	6.	0.19	3.	0.	59.
28241	GTR308	DISTIL	0.	-0.049	0.	0.025	0.09	-21.	-11.	0.	3.	31.	6.	0.15	3.	0.	61.
28241	GTR312	DISTIL	0.	-0.045	0.	0.033	0.11	-19.	-9.	0.	6.	34.	6.	0.17	3.	0.	60.
28241	GTR316	DISTIL	0.	-0.044	0.	0.032	0.11	-19.	-9.	0.	6.	33.	6.	0.16	3.	0.	60.
28241	FCPADS	DISTIL	0.	-0.112	0.	0.054	0.18	-17.	11.	1.	36.	103.	12.	0.55	5.	0.	60.
28241	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.19	-67.	11.	-0.	-25.	83.	9.	0.25	4.	0.	60.
28242	STM141	RESIDU	0.	-0.007	0.	0.011	0.09	-2.	-3.	-0.	3.	7.	0.	0.09	0.	0.	54.
28242	STM141	COAL-F	0.	-0.007	0.	0.011	0.09	-2.	-9.	-0.	3.	2.	2.	0.06	-2.	0.	48.
28242	STM141	COAL-A	0.	-0.007	0.	0.011	0.09	4.	-9.	-0.	10.	2.	2.	0.11	-1.	0.	46.
28242	STM088	RESIDU	0.	-0.005	0.	0.008	0.07	-2.	-2.	-0.	3.	5.	0.	0.07	0.	0.	55.
28242	STM088	COAL-F	0.	-0.005	0.	0.008	0.07	-2.	-8.	-0.	3.	0.	1.	0.04	-2.	0.	48.
28242	STM088	COAL-A	0.	-0.005	0.	0.008	0.07	4.	-8.	-0.	9.	0.	1.	0.09	-1.	0.	47.
28242	PFBSTM	COAL-P	0.	-0.010	0.	0.016	0.13	6.	-11.	1.	14.	4.	3.	0.18	-3.	0.	49.
28242	TISTMT	RESIDU	0.	-0.013	0.	0.020	0.16	-4.	-5.	-1.	6.	13.	1.	0.17	-8.	0.	71.
28242	TISTMT	COAL	0.	-0.013	0.	0.020	0.16	-4.	-12.	-1.	6.	6.	2.	0.13	-11.	0.	69.
28242	TIHRSG	RESIDU	0.	-0.006	0.	0.007	0.05	-2.	-2.	-0.	2.	5.	0.	0.06	-7.	0.	73.
28242	TIHRSG	COAL	0.	-0.006	0.	0.007	0.05	-2.	-8.	-0.	2.	-1.	1.	0.03	-10.	0.	68.
28242	STIRL	DISTIL	0.	-0.020	0.	0.017	0.14	-2.	-3.	0.	10.	18.	4.	0.28	2.	0.	54.
28242	STIRL	RESIDU	0.	-0.020	0.	0.017	0.14	-7.	-8.	-2.	5.	12.	-1.	0.14	2.	0.	48.
28242	STIRL	COAL	0.	-0.020	0.	0.017	0.14	-7.	-17.	-1.	5.	4.	2.	0.10	-1.	0.	43.

NEWELL PAGE PRINTING SYSTEM - P1155-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 39

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		-----TOTAL-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING		TOTAL COST LAEC		EXPORT	SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	MM/H					
28242	HEGT85	COAL-A	0.	-0.059	0.	0.024	0.19	-7.	-40.	-3.	20.	5.	3.	0.25	-15.	0.	75.	-1.
28242	HEGT60	COAL-A	0.	-0.032	0.	0.013	0.10	-2.	-24.	-2.	13.	2.	2.	0.14	-10.	0.	65.	-1.
28242	HEGT00	COAL-A	0.	-0.016	0.	0.006	0.05	1.	-14.	-1.	8.	-2.	1.	0.07	-6.	0.	57.	-0.
28242	FCMCCL	COAL	0.	-0.019	0.	0.022	0.17	8.	9.	1.	21.	32.	4.	0.50	-6.	0.	56.	-0.
28242	FCSTCL	COAL	0.	-0.030	0.	0.038	0.30	8.	9.	1.	30.	48.	6.	0.72	-7.	0.	55.	0.
28242	IGGTST	COAL	0.	-0.027	0.	0.022	0.17	-9.	-21.	1.	7.	7.	5.	0.15	-7.	0.	58.	-0.
28242	GTSCAR	RESIDU	-0.021	0.	-0.021	0.041	0.15	-9.	-8.	-0.	4.	14.	2.	0.20	1.	0.	48.	0.
28242	GTAC08	RESIDU	0.	-0.016	0.	0.018	0.14	-15.	-6.	-2.	-5.	11.	-0.	0.05	1.	0.	48.	0.
28242	GTAC12	RESIDU	0.	-0.019	0.	0.022	0.17	-17.	-8.	-2.	-4.	14.	-0.	0.08	2.	0.	46.	1.
28242	GTAC16	RESIDU	0.	-0.022	0.	0.024	0.19	-19.	-9.	-2.	-4.	16.	-0.	0.09	2.	0.	45.	1.
28242	GTWC16	RESIDU	0.	-0.026	0.	0.023	0.18	-22.	-10.	-3.	-6.	16.	-1.	0.08	2.	0.	46.	0.
28242	CC1626	RESIDU	0.	-0.045	0.	0.040	0.32	-33.	-18.	-4.	-6.	27.	-1.	0.17	3.	0.	37.	1.
28242	CC1622	RESIDU	0.	-0.039	0.	0.038	0.30	-29.	-16.	-4.	-5.	25.	-1.	0.17	3.	0.	38.	1.
28242	CC1222	RESIDU	0.	-0.039	0.	0.038	0.30	-29.	-15.	-4.	-5.	25.	-1.	0.17	3.	0.	38.	1.
28242	CC0822	RESIDU	0.	-0.029	0.	0.033	0.26	-23.	-12.	-3.	-4.	21.	-0.	0.15	2.	0.	42.	1.
28242	STIG15	RESIDU	0.	-0.085	0.	0.018	0.14	-51.	-34.	-3.	-19.	20.	0.	0.01	3.	0.	47.	-0.
28242	STIG15	RESIDU	0.	-1.526	0.	0.319	0.17	-922.	-610.	-45.	-339.	353.	3.	0.01	100.	163.	38.	-24.
28242	STIG10	RESIDU	0.	-0.077	0.	0.025	0.20	-50.	-31.	-2.	-17.	23.	1.	0.06	3.	0.	42.	-0.
28242	STIG10	RESIDU	0.	-0.128	0.	0.042	0.22	-83.	-51.	-3.	-29.	38.	2.	0.06	7.	6.	38.	-1.
28242	STIG15	RESIDU	0.	-0.072	0.	0.028	0.22	-49.	-29.	-2.	-17.	24.	1.	0.07	4.	0.	38.	0.
28242	DEADV3	RESIDU	0.	-0.059	0.	0.037	0.29	-70.	-24.	-5.	-40.	27.	-2.	-0.13	1.	0.	42.	0.
28242	DEHTPM	RESIDU	0.	-0.022	0.	0.029	0.23	-36.	-9.	-2.	-19.	19.	-0.	-0.01	0.	0.	48.	0.
28242	DES0A3	DISTIL	-0.069	0.	-0.069	0.103	0.27	-170.	-6.	0.	-138.	47.	3.	-0.82	0.	0.	51.	-1.
28242	DES0A3	DISTIL	-0.072	0.	-0.072	0.108	0.27	-180.	-7.	0.	-146.	50.	3.	-0.83	1.	1.	50.	-1.
28242	DES0A3	RESIDU	-0.069	0.	-0.069	0.103	0.27	-366.	-26.	-1.	-333.	30.	6.	-2.78	0.	0.	45.	-0.
28242	DES0A3	RESIDU	-0.072	0.	-0.072	0.108	0.27	-386.	-27.	-1.	-351.	32.	6.	-2.79	1.	1.	44.	-0.
28242	GTSCAD	DISTIL	-0.019	0.	-0.019	0.039	0.16	-8.	-3.	0.	4.	18.	2.	0.23	2.	0.	53.	0.
28242	GTRA08	DISTIL	0.	-0.031	0.	0.030	0.24	-13.	-6.	0.	6.	28.	5.	0.34	2.	0.	49.	0.
28242	GTRA12	DISTIL	0.	-0.030	0.	0.030	0.24	-13.	-6.	0.	6.	28.	5.	0.34	2.	0.	49.	0.
28242	GTRA16	DISTIL	0.	-0.028	0.	0.028	0.22	-12.	-5.	0.	6.	27.	5.	0.32	1.	0.	50.	0.
28242	GTR208	DISTIL	0.	-0.024	0.	0.024	0.19	-11.	-4.	0.	5.	23.	4.	0.27	1.	0.	52.	0.
28242	GTR212	DISTIL	0.	-0.026	0.	0.025	0.20	-12.	-4.	0.	5.	24.	4.	0.29	1.	0.	51.	0.
28242	GTR216	DISTIL	0.	-0.026	0.	0.026	0.21	-12.	-4.	0.	5.	25.	4.	0.30	1.	0.	51.	0.
28242	GTRW08	DISTIL	0.	-0.043	0.	0.030	0.24	-18.	-9.	0.	5.	31.	5.	0.36	2.	0.	48.	-0.
28242	GTRW12	DISTIL	0.	-0.042	0.	0.033	0.26	-18.	-9.	0.	6.	33.	5.	0.38	2.	0.	46.	0.
28242	GTRW16	DISTIL	0.	-0.040	0.	0.031	0.25	-17.	-8.	0.	6.	31.	5.	0.36	2.	0.	48.	-0.
28242	GTR308	DISTIL	0.	-0.033	0.	0.022	0.17	-15.	-7.	0.	3.	24.	4.	0.28	2.	0.	52.	-0.
28242	GTR312	DISTIL	0.	-0.035	0.	0.028	0.22	-15.	-7.	0.	5.	28.	5.	0.33	2.	0.	49.	0.
28242	GTR316	DISTIL	0.	-0.035	0.	0.027	0.21	-15.	-7.	0.	5.	28.	5.	0.32	2.	0.	50.	-0.
28242	FCPADS	DISTIL	0.	-0.069	0.	0.034	0.27	-10.	8.	1.	23.	65.	8.	0.83	2.	0.	56.	-2.
28242	FCPADS	DISTIL	0.	-0.095	0.	0.046	0.28	-15.	9.	1.	31.	87.	10.	0.85	4.	4.	54.	-2.
28242	FCMCDS	DISTIL	0.	-0.058	0.	0.045	0.35	-52.	9.	-0.	-19.	66.	7.	0.46	2.	0.	51.	-1.
28242	FCMCDS	DISTIL	0.	-0.063	0.	0.049	0.36	-57.	9.	-0.	-21.	71.	7.	0.46	3.	1.	49.	-1.
28651	STM141	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	-0.	0.	45.	0.
28651	STM141	RESIDU	0.	-0.115	0.	0.191	0.32	-40.	-46.	-6.	57.	118.	8.	0.34	24.	25.	18.	2.
28651	STM141	COAL-F	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-16.	0.	166.	2.

NEWELL PAPER PRINTING SYSTEM - P1151-01

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 40

ISE PEG AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

U

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---			
		ECS ****DIRECT*****		-----TOTAL-----		FESR		DIRECT-----		*****TOTAL*****		EMSR SAVING		TOTAL		COST LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	SAVED		
														NWH			
28651	STM141	COAL-F	0.	-0.115	0.	0.191	0.32	-40.	-127.	-6.	60.	49.	24.	0.25	6.	25.	30.
28651	STM141	COAL-A	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	154.
28651	STM141	COAL-A	0.	-0.115	0.	0.191	0.32	46.	-127.	-6.	147.	49.	24.	0.41	12.	25.	25.
28651	STM088	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	0.	0.	44.
28651	STM088	RESIDU	0.	-0.087	0.	0.145	0.28	-31.	-33.	-4.	43.	89.	6.	0.30	19.	18.	17.
28651	STM088	COAL-F	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-16.	0.	168.
28651	STM088	COAL-F	0.	-0.087	0.	0.145	0.28	-31.	-110.	-4.	46.	26.	21.	0.20	1.	18.	34.
28651	STM088	COAL-A	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	154.
28651	STM088	COAL-A	0.	-0.087	0.	0.145	0.28	50.	-110.	-4.	127.	26.	21.	0.37	6.	18.	29.
28651	PFBSTM	COAL-P	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	158.
28651	PFBSTM	COAL-P	0.	-0.182	0.	0.290	0.38	66.	-167.	7.	220.	100.	47.	0.53	14.	41.	29.
28651	TISTMT	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	-9.	0.	103.
28651	TISTMT	RESIDU	0.	-0.145	0.	0.231	0.35	-51.	-58.	-7.	69.	144.	9.	0.37	-35.	32.	62.
28651	TISTMT	COAL	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-24.	0.	221.
28651	TISTMT	COAL	0.	-0.239	0.	0.381	0.42	-84.	-201.	-12.	118.	147.	36.	0.36	-75.	55.	64.
28651	TIHRSG	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	1.	0.06	-16.	0.	156.
28651	TIHRSG	RESIDU	0.	-0.083	0.	0.080	0.18	-29.	-33.	-4.	23.	54.	2.	0.19	-42.	12.	108.
28651	TIHRSG	COAL	0.	-0.019	0.	0.018	0.06	-7.	-69.	-1.	7.	-40.	13.	-0.07	-33.	0.	286.
28651	TIHRSG	COAL	0.	-0.136	0.	0.132	0.24	-48.	-139.	-7.	41.	16.	21.	0.15	-87.	22.	118.
28651	STIRL	DISTIL	0.	-0.020	0.	0.017	0.05	30.	28.	9.	44.	57.	23.	0.43	-3.	0.	72.
28651	STIRL	DISTIL	0.	-0.237	0.	0.194	0.27	-20.	-33.	5.	121.	212.	42.	0.57	15.	37.	39.
28651	STIRL	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-3.	0.	67.
28651	STIRL	RESIDU	0.	-0.237	0.	0.194	0.27	-83.	-95.	-21.	54.	134.	-5.	0.28	15.	37.	35.
28651	STIRL	COAL	0.	-0.020	0.	0.017	0.05	-7.	-70.	-1.	7.	-41.	13.	-0.07	-17.	0.	174.
28651	STIRL	COAL	0.	-0.390	0.	0.319	0.32	-136.	-291.	-19.	94.	105.	34.	0.26	-17.	63.	43.
28651	HEGT85	COAL-A	0.	-0.029	0.	0.008	0.03	58.	-75.	-1.	72.	-46.	12.	0.13	-20.	0.	198.
28651	HEGT85	COAL-A	0.	-1.708	0.	0.481	0.19	-262.	-1083.	-85.	445.	123.	56.	0.27	-32.	202.	45.
28651	HEGT60	COAL-A	0.	-0.028	0.	0.009	0.03	58.	-74.	-1.	72.	-45.	12.	0.14	-20.	0.	195.
28651	HEGT60	COAL-A	0.	-0.743	0.	0.242	0.19	-86.	-503.	-37.	233.	44.	33.	0.27	-34.	89.	49.
28651	HEGT00	COAL-A	0.	-0.028	0.	0.009	0.03	58.	-74.	-1.	72.	-45.	12.	0.14	-19.	0.	194.
28651	HEGT00	COAL-A	0.	-0.332	0.	0.111	0.15	-12.	-257.	-17.	133.	-6.	21.	0.22	-27.	38.	57.
28651	FCMCCL	COAL	0.	-0.561	0.	0.246	0.22	100.	115.	12.	362.	565.	72.	1.00	-11.	72.	45.
28651	FCSTCL	COAL	0.	-0.765	0.	0.539	0.34	100.	115.	12.	522.	836.	100.	1.00	10.	119.	37.
28651	IGGTST	COAL	0.	-0.693	0.	0.225	0.19	-243.	-474.	9.	55.	37.	75.	0.15	3.	83.	39.
28651	GTSOAR	RESIDU	-0.020	0.	-0.020	0.037	0.05	-2.	-7.	-0.	10.	13.	2.	0.14	-1.	0.	55.
28651	GTSOAR	RESIDU	-0.272	0.	-0.272	0.508	0.30	-82.	-102.	-2.	81.	175.	28.	0.46	33.	44.	27.
28651	GTAC08	RESIDU	0.	-0.017	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	50.
28651	GTAC08	RESIDU	0.	-0.189	0.	0.213	0.31	-139.	-76.	-17.	-11.	139.	-1.	0.20	28.	34.	23.
28651	GTAC12	RESIDU	0.	-0.018	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	49.
28651	GTAC12	RESIDU	0.	-0.237	0.	0.264	0.33	-168.	-95.	-21.	-8.	172.	-1.	0.23	34.	43.	24.
28651	GTAC16	RESIDU	0.	-0.018	0.	0.019	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	50.
28651	GTAC16	RESIDU	0.	-0.271	0.	0.293	0.34	-188.	-108.	-23.	-8.	192.	-1.	0.24	36.	49.	25.
28651	GTWC16	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	54.
28651	GTWC16	RESIDU	0.	-0.318	0.	0.279	0.32	-216.	-127.	-27.	-27.	190.	-4.	0.20	40.	52.	26.
28651	CC1626	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	54.
28651	CC1626	RESIDU	0.	-0.530	0.	0.463	0.36	-344.	-212.	-43.	-28.	315.	-6.	0.24	67.	90.	26.

KEYWELL PAGE PRINTING SYSTEM - 2118-03

DATE 06/08/79

GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION

TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---			
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	*****	TOTAL	*****	*****	*****	*****	EMSR	SAVING	TOTAL	COST
			FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART					EXPORT	LAEC
																MWH	SAVED
28651	CC1622	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	52.
28651	CC1622	RESIDU	0.	-0.457	0.	0.437	0.37	-300.	-183.	-38.	-16.	292.	-3.	0.25	58.	80.	26.
28651	CC1222	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	1.	0.06	-0.	0.	51.
28651	CC1222	RESIDU	0.	-0.452	0.	0.439	0.37	-297.	-181.	-37.	-13.	293.	-3.	0.26	60.	80.	25.
28651	CC0822	RESIDU	0.	-0.018	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	51.
28651	CC0822	RESIDU	0.	-0.337	0.	0.377	0.38	-228.	-135.	-28.	-1.	245.	0.	0.27	49.	63.	24.
28651	STIG15	RESIDU	0.	-0.031	0.	0.006	0.02	-11.	-12.	-2.	1.	7.	-1.	0.03	-1.	0.	63.
28651	STIG15	RESIDU	0.	-18.550	0.	3.879	0.17	-1156.	-7420.	-554.	-4079.	4290.	31.	0.01	1485.	2100.	37.
28651	STIG10	RESIDU	0.	-0.028	0.	0.009	0.03	-10.	-11.	-1.	2.	8.	-0.	0.03	-1.	0.	59.
28651	STIG10	RESIDU	0.	-1.560	0.	0.514	0.22	-962.	-624.	-45.	-306.	463.	16.	0.08	135.	191.	35.
28651	STIG1S	RESIDU	0.	-0.027	0.	0.010	0.03	-9.	-11.	-1.	2.	9.	-0.	0.04	-0.	0.	57.
28651	STIG1S	RESIDU	0.	-0.874	0.	0.343	0.23	-550.	-349.	-24.	-165.	290.	13.	0.10	82.	111.	33.
28651	DEADV3	RESIDU	0.	-0.024	0.	0.014	0.04	-8.	-9.	-1.	4.	10.	0.	0.05	-5.	0.	83.
28651	DEADV3	RESIDU	0.	-0.803	0.	0.462	0.30	-824.	-321.	-64.	-423.	347.	-21.	-0.07	31.	115.	40.
28651	DEHTPM	RESIDU	0.	-0.017	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	-1.	0.07	-5.	0.	78.
28651	DEHTPM	RESIDU	0.	-0.280	0.	0.330	0.37	-327.	-112.	-24.	-133.	213.	1.	0.10	14.	54.	35.
28651	DESQA3	DISTIL	-0.025	0.	-0.025	0.037	0.04	24.	58.	2.	33.	68.	-8.	0.53	-4.	0.	84.
28651	DESQA3	DISTIL	-0.998	0.	-0.998	1.451	0.26	-2063.	-100.	2.	-1606.	654.	37.	-0.61	8.	133.	52.
28651	DESQA3	RESIDU	-0.025	0.	-0.025	0.037	0.04	-3.	-10.	-0.	9.	11.	2.	0.12	-4.	0.	79.
28651	DESQA3	RESIDU	-0.998	0.	-0.998	1.451	0.26	-4444.	-376.	-8.	-3977.	418.	78.	-2.34	8.	133.	47.
28651	GTSCAD	DISTIL	-0.018	0.	-0.018	0.037	0.06	-0.	-3.	0.	11.	17.	1.	0.27	-1.	0.	53.
28651	GTSCAD	DISTIL	-0.238	0.	-0.238	0.480	0.32	-65.	-39.	0.	87.	217.	19.	0.62	35.	42.	28.
28651	GTRA08	DISTIL	0.	-0.019	0.	0.018	0.05	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	60.
28651	GTRA08	DISTIL	0.	-0.403	0.	0.368	0.35	-144.	-79.	3.	106.	351.	60.	0.53	47.	69.	31.
28651	GTRA12	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	59.
28651	GTRA12	DISTIL	0.	-0.389	0.	0.369	0.35	-138.	-75.	3.	107.	348.	59.	0.54	47.	68.	31.
28651	GTRA16	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-2.	0.	60.
28651	GTRA16	DISTIL	0.	-0.363	0.	0.347	0.35	-128.	-68.	3.	103.	329.	57.	0.54	42.	63.	31.
28651	GTR208	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	58.
28651	GTR208	DISTIL	0.	-0.305	0.	0.288	0.33	-105.	-52.	4.	88.	281.	51.	0.52	39.	52.	30.
28651	GTR212	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	58.
28651	GTR212	DISTIL	0.	-0.329	0.	0.307	0.33	-114.	-58.	4.	93.	298.	53.	0.53	40.	56.	30.
28651	GTR216	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.44	-1.	0.	59.
28651	GTR216	DISTIL	0.	-0.330	0.	0.321	0.34	-115.	-59.	4.	97.	306.	54.	0.53	40.	58.	31.
28651	GTRW08	DISTIL	0.	-0.022	0.	0.015	0.05	29.	28.	9.	44.	57.	23.	0.43	-1.	0.	64.
28651	GTRW08	DISTIL	0.	-0.554	0.	0.370	0.31	-204.	-122.	0.	95.	392.	66.	0.50	61.	83.	33.
28651	GTRW12	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	62.
28651	GTRW12	DISTIL	0.	-0.543	0.	0.402	0.33	-200.	-119.	0.	106.	407.	68.	0.51	63.	85.	32.
28651	GTRW16	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-2.	0.	63.
28651	GTRW16	DISTIL	0.	-0.502	0.	0.379	0.32	-184.	-107.	1.	102.	383.	65.	0.51	57.	79.	32.
28651	GTR308	DISTIL	0.	-0.023	0.	0.014	0.04	29.	28.	9.	43.	57.	23.	0.43	-1.	0.	63.
28651	GTR308	DISTIL	0.	-0.439	0.	0.265	0.27	-159.	-90.	2.	70.	305.	55.	0.47	47.	63.	34.
28651	GTR312	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	61.
28651	GTR312	DISTIL	0.	-0.437	0.	0.338	0.32	-158.	-89.	2.	94.	344.	60.	0.51	52.	69.	31.
28651	GTR316	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	62.
28651	GTR316	DISTIL	0.	-0.433	0.	0.331	0.31	-156.	-88.	2.	92.	339.	59.	0.51	50.	68.	32.

REVELL PAGE PRINTING SYSTEM - P118-02

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GENERAL ELECTRIC COMPANY

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ISE PEG AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST = \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE

□

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING*****										-----EMISSIONS SAVING-----				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED				
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART			
MMH																			
28651	FCPADS	DISTIL	0.	-0.025	0.	0.012	0.04	29.	27.	9.	43.	56.	23.	0.42	-3.	0.	86.	-3.	
28651	FCPADS	DISTIL	0.	-1.152	0.	0.558	0.28	-187.	63.	11.	366.	1007.	124.	0.81	55.	157.	56.	-48.	
28651	FCMCDS	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-3.	0.	82.	-3.	
28651	FCMCDS	DISTIL	0.	-0.763	0.	0.590	0.36	-595.	62.	-2.	-158.	810.	90.	0.49	38.	123.	51.	-32.	
28653	STM141	RESIDU	0.	-0.020	0.	0.033	0.10	-7.	-8.	-1.	10.	20.	1.	0.10	2.	0.	34.	0.	
28653	STM141	RESIDU	0.	-0.044	0.	0.073	0.18	-15.	-18.	-2.	22.	45.	3.	0.19	8.	6.	20.	1.	
28653	STM141	COAL-F	0.	-0.020	0.	0.033	0.10	-7.	-70.	-1.	12.	-32.	14.	-0.02	-14.	0.	115.	2.	
28653	STM141	COAL-F	0.	-0.044	0.	0.073	0.18	-15.	-84.	-2.	24.	-12.	16.	0.08	-5.	6.	48.	4.	
28653	STM141	COAL-A	0.	-0.020	0.	0.033	0.10	60.	-70.	-1.	79.	-32.	14.	0.20	-10.	0.	98.	3.	
28653	STM141	COAL-A	0.	-0.044	0.	0.073	0.18	56.	-84.	-2.	96.	-12.	16.	0.28	2.	6.	32.	5.	
28653	STM088	RESIDU	0.	-0.020	0.	0.033	0.10	-7.	-8.	-1.	10.	20.	1.	0.10	2.	0.	31.	1.	
28653	STM088	RESIDU	0.	-0.029	0.	0.047	0.13	-10.	-11.	-1.	14.	29.	2.	0.14	6.	2.	19.	1.	
28653	STM088	COAL-F	0.	-0.020	0.	0.033	0.10	-7.	-70.	-1.	12.	-32.	14.	-0.02	-13.	0.	110.	3.	
28653	STM088	COAL-F	0.	-0.029	0.	0.047	0.13	-10.	-75.	-1.	17.	-25.	15.	0.02	-7.	2.	62.	4.	
28653	STM088	COAL-A	0.	-0.020	0.	0.033	0.10	60.	-70.	-1.	79.	-32.	14.	0.20	-9.	0.	89.	3.	
28653	STM088	COAL-A	0.	-0.029	0.	0.047	0.13	58.	-75.	-1.	85.	-25.	15.	0.23	-1.	2.	42.	5.	
28653	PFBSTM	COAL-P	0.	-0.021	0.	0.032	0.09	65.	-70.	2.	84.	-33.	17.	0.22	-14.	0.	117.	2.	
28653	PFBSTM	COAL-P	0.	-0.084	0.	0.129	0.26	73.	-108.	9.	144.	17.	33.	0.43	-2.	15.	40.	4.	
28653	TISTMT	RESIDU	0.	-0.020	0.	0.032	0.09	-7.	-8.	-1.	10.	20.	1.	0.10	-13.	0.	102.	-1.	
28653	TISTMT	RESIDU	0.	-0.114	0.	0.180	0.31	-40.	-46.	-6.	54.	112.	7.	0.33	-39.	23.	70.	-6.	
28653	TISTMT	COAL	0.	-0.020	0.	0.032	0.09	-7.	-70.	-1.	12.	-33.	14.	-0.02	-29.	0.	185.	1.	
28653	TISTMT	COAL	0.	-0.114	0.	0.180	0.31	-40.	-126.	-6.	57.	43.	23.	0.23	-59.	23.	84.	-3.	
28653	TIHRSG	RESIDU	0.	-0.035	0.	0.017	0.05	-12.	-14.	-2.	4.	13.	-0.	0.06	-20.	0.	146.	-3.	
28653	TIHRSG	RESIDU	0.	-0.122	0.	0.059	0.13	-43.	-49.	-6.	15.	46.	-0.	0.14	-47.	12.	112.	-8.	
28653	TIHRSG	COAL	0.	-0.035	0.	0.017	0.05	-12.	-79.	-2.	7.	-42.	13.	0.07	-38.	0.	234.	-1.	
28653	TIHRSG	COAL	0.	-0.122	0.	0.059	0.13	-43.	-131.	-6.	18.	-24.	16.	0.02	-67.	12.	153.	-5.	
28653	STIRL	DISTIL	0.	-0.031	0.	0.022	0.06	28.	26.	9.	47.	63.	24.	0.44	-0.	0.	53.	-3.	
28653	STIRL	DISTIL	0.	-0.193	0.	0.137	0.22	-10.	-20.	6.	99.	169.	37.	0.54	8.	26.	42.	-6.	
28653	STIRL	RESIDU	0.	-0.031	0.	0.022	0.06	-11.	-12.	-4.	6.	15.	-2.	0.07	-0.	0.	49.	-0.	
28653	STIRL	RESIDU	0.	-0.193	0.	0.137	0.22	-68.	-77.	-22.	37.	98.	-11.	0.22	8.	26.	37.	-2.	
28653	STIRL	COAL	0.	-0.031	0.	0.022	0.06	-11.	-76.	-2.	8.	-39.	13.	-0.06	-14.	0.	120.	2.	
28653	STIRL	COAL	0.	-0.193	0.	0.137	0.22	-68.	-174.	-10.	41.	15.	21.	0.14	-15.	26.	49.	2.	
28653	HEGT00	COAL-A	0.	-0.043	0.	0.009	0.03	52.	-84.	-2.	71.	-47.	13.	0.12	-20.	0.	152.	1.	
28653	HEGT00	COAL-A	0.	-0.242	0.	0.050	0.09	5.	-203.	-12.	101.	-34.	17.	0.16	-26.	22.	64.	-1.	
28653	FCMCCL	COAL	0.	-0.025	0.	0.028	0.08	11.	-40.	1.	30.	-2.	16.	0.14	-21.	0.	149.	1.	
28653	FCMCCL	COAL	0.	-0.234	0.	0.263	0.33	101.	116.	13.	263.	396.	54.	1.00	-17.	42.	45.	1.	
28653	FCSTCL	COAL	0.	-0.024	0.	0.029	0.08	8.	-45.	1.	27.	-7.	16.	0.12	-21.	0.	147.	1.	
28653	FCSTCL	COAL	0.	-0.307	0.	0.376	0.39	101.	115.	13.	323.	497.	65.	1.00	-11.	59.	39.	1.	
28653	IGGTST	COAL	0.	-0.030	0.	0.022	0.07	-11.	-76.	1.	9.	-39.	16.	-0.05	-20.	0.	146.	1.	
28653	IGGTST	COAL	0.	-0.266	0.	0.197	0.26	-93.	-217.	12.	58.	45.	51.	0.22	-12.	39.	42.	2.	
28653	GTSCAR	RESIDU	-0.032	0.	-0.032	0.052	0.06	-12.	-12.	-0.	5.	17.	3.	0.13	-0.	0.	49.	-0.	
28653	GTSCAR	RESIDU	-0.354	0.	-0.354	0.583	0.26	-129.	-133.	-3.	59.	186.	32.	0.40	35.	50.	29.	-2.	
28653	GTAC06	RESIDU	0.	-0.024	0.	0.028	0.08	-24.	-10.	-3.	-7.	18.	-1.	0.03	0.	0.	41.	0.	
28653	GTAC08	RESIDU	0.	-0.188	0.	0.215	0.31	-185.	-75.	-22.	-57.	139.	-6.	0.12	26.	33.	23.	1.	
28653	GTAC12	RESIDU	0.	-0.025	0.	0.027	0.08	-23.	-10.	-3.	-6.	18.	-1.	0.04	0.	0.	41.	0.	
28653	GTAC12	RESIDU	0.	-0.241	0.	0.265	0.33	-217.	-97.	-26.	-56.	173.	-6.	0.15	32.	43.	24.	1.	

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DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 43

ISE PED AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---	
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		*****TOTAL*****		EMSR SAVING	TOTAL COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	SAVED
28653	GTAC16	RESIDU	0.	-0.026	0.	0.026	0.08	-22.	-11.	-3.	-6.	17.	-1.	0.04	0.
28653	GTAC16	RESIDU	0.	-0.295	0.	0.295	0.34	-250.	-118.	-30.	-62.	196.	-7.	0.16	36.
28653	GTWC16	RESIDU	0.	-0.028	0.	0.025	0.07	-23.	-11.	-3.	-6.	17.	-1.	0.03	0.
28653	GTWC16	RESIDU	0.	-0.317	0.	0.280	0.32	-253.	-127.	-32.	-73.	190.	-9.	0.13	38.
28653	CC1626	RESIDU	0.	-0.029	0.	0.024	0.07	-22.	-11.	-3.	-5.	16.	-1.	0.04	0.
28653	CC1626	RESIDU	0.	-0.472	0.	0.395	0.34	-355.	-189.	-44.	-80.	271.	-11.	0.17	55.
28653	CC1622	RESIDU	0.	-0.027	0.	0.025	0.07	-21.	-11.	-3.	-5.	17.	-1.	0.04	0.
28653	CC1622	RESIDU	0.	-0.405	0.	0.372	0.35	-316.	-162.	-39.	-68.	251.	-9.	0.18	47.
28653	CC1222	RESIDU	0.	-0.027	0.	0.025	0.07	-21.	-11.	-3.	-5.	17.	-1.	0.04	1.
28653	CC1222	RESIDU	0.	-0.399	0.	0.373	0.35	-312.	-160.	-38.	-66.	251.	-8.	0.18	49.
28653	CC0822	RESIDU	0.	-0.025	0.	0.027	0.08	-21.	-10.	-3.	-5.	18.	-0.	0.04	0.
28653	CC0822	RESIDU	0.	-0.292	0.	0.315	0.35	-248.	-117.	-30.	-55.	206.	-6.	0.18	39.
28653	DEHTPM	RESIDU	0.	-0.030	0.	0.022	0.06	-48.	-12.	-3.	-31.	16.	-1.	-0.06	-4.
28653	DEHTPM	RESIDU	0.	-0.281	0.	0.204	0.26	-440.	-112.	-29.	-287.	144.	-12.	-0.22	1.
28653	GTSCAD	DISTIL	-0.027	0.	-0.027	0.052	0.07	-11.	-4.	0.	6.	24.	2.	0.25	1.
28653	GTSCAD	DISTIL	-0.253	0.	-0.253	0.495	0.31	-101.	-41.	0.	56.	222.	19.	0.55	33.
28653	GTRA08	DISTIL	0.	-0.032	0.	0.021	0.06	-19.	25.	9.	38.	63.	24.	0.41	-0.
28653	GTRA08	DISTIL	0.	-0.608	0.	0.393	0.30	-258.	-137.	-1.	67.	419.	70.	0.47	58.
28653	GTRA12	DISTIL	0.	-0.031	0.	0.022	0.06	20.	26.	9.	39.	63.	24.	0.41	-0.
28653	GTRA12	DISTIL	0.	-0.546	0.	0.389	0.32	-233.	-119.	0.	70.	400.	67.	0.48	55.
28653	GTRA16	DISTIL	0.	-0.030	0.	0.022	0.07	20.	26.	9.	39.	63.	24.	0.42	-1.
28653	GTRA16	DISTIL	0.	-0.483	0.	0.359	0.32	-208.	-102.	1.	66.	368.	63.	0.48	47.
28653	GTR208	DISTIL	0.	-0.030	0.	0.023	0.07	19.	26.	9.	38.	63.	24.	0.41	-0.
28653	GTR208	DISTIL	0.	-0.375	0.	0.289	0.30	-165.	-71.	3.	51.	301.	54.	0.47	41.
28653	GTR212	DISTIL	0.	-0.030	0.	0.023	0.07	19.	26.	9.	38.	63.	24.	0.41	-0.
28653	GTR212	DISTIL	0.	-0.403	0.	0.311	0.31	-176.	-79.	3.	56.	320.	57.	0.47	43.
28653	GTR216	DISTIL	0.	-0.029	0.	0.023	0.07	20.	26.	9.	39.	63.	24.	0.42	-0.
28653	GTR216	DISTIL	0.	-0.410	0.	0.327	0.32	-179.	-81.	3.	61.	330.	58.	0.48	42.
28653	GTRW08	DISTIL	0.	-0.035	0.	0.018	0.05	19.	25.	9.	38.	62.	24.	0.41	-0.
28653	GTRW08	DISTIL	0.	-0.772	0.	0.392	0.27	-323.	-183.	-4.	53.	462.	77.	0.44	74.
28653	GTRW12	DISTIL	0.	-0.033	0.	0.020	0.06	19.	25.	9.	38.	62.	24.	0.41	-0.
28653	GTRW12	DISTIL	0.	-0.709	0.	0.427	0.30	-298.	-165.	-3.	69.	465.	76.	0.47	72.
28653	GTRW16	DISTIL	0.	-0.032	0.	0.020	0.06	19.	25.	9.	38.	63.	24.	0.41	-1.
28653	GTRW16	DISTIL	0.	-0.619	0.	0.394	0.30	-262.	-140.	-1.	56.	423.	71.	0.47	62.
28653	GTR308	DISTIL	0.	-0.036	0.	0.016	0.05	17.	24.	9.	36.	61.	24.	0.40	-0.
28653	GTR308	DISTIL	0.	-0.594	0.	0.262	0.23	-252.	-133.	-1.	25.	344.	62.	0.41	54.
28653	GTR312	DISTIL	0.	-0.031	0.	0.022	0.06	19.	26.	9.	38.	63.	24.	0.41	-0.
28653	GTR312	DISTIL	0.	-0.491	0.	0.343	0.31	-211.	-104.	1.	60.	361.	62.	0.47	53.
28653	GTR316	DISTIL	0.	-0.031	0.	0.021	0.06	19.	26.	9.	38.	63.	24.	0.41	-0.
28653	GTR316	DISTIL	0.	-0.483	0.	0.335	0.30	-208.	-102.	1.	58.	355.	61.	0.47	51.
28653	FCPADS	DISTIL	0.	-0.035	0.	0.017	0.05	28.	37.	10.	47.	74.	24.	0.48	-1.
28653	FCPADS	DISTIL	0.	-1.158	0.	0.561	0.28	-181.	116.	14.	374.	1064.	128.	0.85	53.
28653	FCMCDS	DISTIL	0.	-0.030	0.	0.023	0.07	7.	37.	9.	26.	75.	24.	0.41	-1.
28653	FCMCDS	DISTIL	0.	-0.766	0.	0.593	0.36	-696.	114.	-1.	-256.	866.	91.	0.46	36.
28654	STM141	RESIDU	0.	-0.002	0.	0.004	0.02	-1.	-1.	-0.	1.	2.	0.	0.02	-1.
28654	STM141	RESIDU	0.	-0.015	0.	0.025	0.10	-5.	-6.	-1.	8.	16.	1.	0.11	2.

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GENERAL ELECTRIC COMPANY

PAGE 44

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS***** - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		*****		EMSR	SAVING	TOTAL	COST	LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT					
MMH																		
28654	STM141	COAL-F	0.	-0.002	0.	0.004	0.02	-1.	-42.	-0.	3.	-33.	8.	-0.12	-13.	0.	690.	1.
28654	STM141	COAL-F	0.	-0.015	0.	0.025	0.10	-5.	-50.	-1.	9.	-22.	10.	-0.01	-8.	3.	95.	2.
28654	STM141	COAL-A	0.	-0.002	0.	0.004	0.02	44.	-42.	-0.	47.	-33.	8.	0.12	-12.	0.	655.	1.
28654	STM141	COAL-A	0.	-0.015	0.	0.025	0.10	42.	-50.	-1.	56.	-22.	10.	0.21	-3.	3.	63.	2.
28654	PFBSTM	COAL-P	0.	-0.002	0.	0.003	0.02	44.	-42.	0.	48.	-33.	9.	0.13	-12.	0.	635.	1.
28654	PFBSTM	COAL-P	0.	-0.044	0.	0.062	0.20	53.	-67.	7.	88.	-3.	21.	0.38	-7.	9.	57.	1.
28654	TISTMT	RESIDU	0.	-0.002	0.	0.004	0.02	-1.	-1.	-0.	1.	2.	0.	0.02	-3.	0.	206.	-1.
28654	TISTMT	RESIDU	0.	-0.061	0.	0.095	0.26	-21.	-24.	-3.	28.	59.	4.	0.28	-34.	14.	93.	-5.
28654	TISTMT	COAL	0.	-0.002	0.	0.004	0.02	-1.	-42.	-0.	3.	-33.	8.	-0.12	-14.	0.	735.	1.
28654	TISTMT	COAL	0.	-0.061	0.	0.095	0.26	-21.	-77.	-3.	30.	14.	14.	0.18	-49.	14.	115.	-4.
28654	TIHRSG	RESIDU	0.	-0.004	0.	0.002	0.01	-1.	-2.	-0.	0.	2.	-0.	0.01	-4.	0.	246.	-1.
28654	TIHRSG	RESIDU	0.	-0.086	0.	0.042	0.13	-30.	-35.	-4.	10.	33.	-0.	0.14	-39.	11.	124.	-7.
28654	TIHRSG	COAL	0.	-0.004	0.	0.002	0.01	-1.	-43.	-0.	2.	-34.	8.	-0.13	-15.	0.	782.	1.
28654	TIHRSG	COAL	0.	-0.086	0.	0.042	0.13	-30.	-93.	-4.	12.	-17.	11.	0.02	-55.	11.	150.	-5.
28654	STIRL	DISTIL	0.	-0.003	0.	0.002	0.01	24.	23.	7.	27.	33.	15.	0.41	-2.	0.	151.	-2.
28654	STIRL	DISTIL	0.	-0.137	0.	0.097	0.22	-7.	-14.	4.	70.	120.	26.	0.54	5.	21.	43.	-5.
28654	STIRL	RESIDU	0.	-0.003	0.	0.002	0.01	-1.	-1.	-0.	1.	2.	-0.	0.01	-2.	0.	146.	-0.
28654	STIRL	RESIDU	0.	-0.137	0.	0.097	0.22	-48.	-55.	-16.	26.	69.	-8.	0.22	5.	21.	39.	-2.
28654	STIRL	COAL	0.	-0.003	0.	0.002	0.01	-1.	-43.	-0.	2.	-34.	8.	-0.12	-12.	0.	653.	1.
28654	STIRL	COAL	0.	-0.137	0.	0.097	0.22	-48.	-123.	-7.	29.	11.	15.	0.14	-13.	21.	52.	0.
28654	HEGT00	COAL-A	0.	-0.005	0.	0.001	0.00	43.	-44.	-0.	46.	-34.	8.	0.11	-12.	0.	625.	1.
28654	HEGT00	COAL-A	0.	-0.171	0.	0.036	0.09	3.	-143.	-9.	71.	-24.	12.	0.16	-23.	19.	72.	-2.
28654	FCMCCL	COAL	0.	-0.003	0.	0.003	0.01	1.	-39.	0.	5.	-29.	9.	-0.09	-14.	0.	731.	1.
28654	FCMCCL	COAL	0.	-0.165	0.	0.186	0.33	71.	82.	9.	186.	280.	38.	1.00	-17.	32.	49.	-1.
28654	FCSTCL	COAL	0.	-0.003	0.	0.003	0.02	1.	-39.	0.	4.	-30.	9.	-0.09	-14.	0.	736.	1.
28654	FCSTCL	COAL	0.	-0.189	0.	0.226	0.36	71.	82.	9.	207.	315.	42.	1.00	-16.	38.	46.	-1.
28654	IGGTST	COAL	0.	-0.004	0.	0.002	0.01	-1.	-43.	0.	2.	-34.	9.	-0.12	-14.	0.	718.	1.
28654	IGGTST	COAL	0.	-0.162	0.	0.107	0.23	-57.	-138.	8.	32.	15.	32.	0.19	-16.	25.	53.	-0.
28654	GTSOAR	RESIDU	-0.004	0.	-0.004	0.006	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-1.	0.	113.	-0.
28654	GTSOAR	RESIDU	-0.250	0.	-0.250	0.412	0.26	-91.	-94.	-2.	41.	131.	22.	0.40	-24.	38.	31.	-2.
28654	GTAC08	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	103.	-0.
28654	GTAC08	RESIDU	0.	-0.133	0.	0.152	0.31	-131.	-53.	-16.	-40.	99.	-4.	0.12	18.	26.	25.	0.
28654	GTAC12	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	100.	-0.
28654	GTAC12	RESIDU	0.	-0.171	0.	0.187	0.33	-153.	-68.	-18.	-40.	122.	-4.	0.15	22.	33.	25.	-0.
28654	GTAC16	RESIDU	0.	-0.003	0.	0.003	0.01	-2.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	101.	-0.
28654	GTAC16	RESIDU	0.	-0.209	0.	0.208	0.34	-176.	-83.	-21.	-44.	138.	-5.	0.16	24.	39.	27.	-1.
28654	GTWC16	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	108.	-0.
28654	GTWC16	RESIDU	0.	-0.224	0.	0.198	0.32	-186.	-90.	-23.	-52.	134.	-7.	0.13	26.	39.	27.	-1.
28654	DEHTFM	RESIDU	0.	-0.003	0.	0.002	0.01	-5.	-1.	-0.	-3.	2.	-0.	-0.01	-2.	0.	160.	-0.
28654	DEHTFM	RESIDU	0.	-0.198	0.	0.144	0.26	-311.	-79.	-21.	-202.	102.	-8.	-0.22	0.	32.	44.	-4.
28654	GTSOAR	DISTIL	-0.003	0.	-0.003	0.006	0.01	-1.	-0.	0.	1.	3.	0.	0.06	-1.	0.	104.	-2.
28654	GTSOAR	DISTIL	-0.179	0.	-0.179	0.350	0.31	-72.	-29.	0.	40.	157.	14.	0.55	23.	32.	29.	-3.
28654	GTRA08	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	117.	-2.
28654	GTRA08	DISTIL	0.	-0.430	0.	0.278	0.30	-192.	-97.	-1.	47.	296.	49.	0.47	40.	66.	36.	-9.
28654	GTRA12	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	113.	-2.
28654	GTRA12	DISTIL	0.	-0.385	0.	0.275	0.32	-164.	-84.	0.	49.	283.	47.	0.48	38.	61.	35.	-8.

NEWELL PAGE PRINTING SYSTEM - 21818-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 15

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING*****				*****EMISSIONS SAVING*****				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		EMSR SAVING	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	TOTAL COST LAEC
													EXPORT SAVED
28654	GTRA16	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTRA16	DISTIL	0.	-0.342	0.	0.254	0.32	-147.	-72.	1.	46.	260.	44. 0.48
28654	GTR208	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTR208	DISTIL	0.	-0.265	0.	0.204	0.30	-116.	-50.	2.	36.	213.	38. 0.47
28654	GTR212	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTR212	DISTIL	0.	-0.285	0.	0.220	0.31	-124.	-56.	2.	40.	226.	40. 0.47
28654	GTR216	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTR216	DISTIL	0.	-0.290	0.	0.231	0.32	-126.	-57.	2.	43.	233.	41. 0.48
28654	GTRW08	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	32.	15. 0.40
28654	GTRW08	DISTIL	0.	-0.545	0.	0.277	0.27	-228.	-129.	-3.	38.	327.	54. 0.44
28654	GTRW12	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTRW12	DISTIL	0.	-0.501	0.	0.301	0.30	-211.	-117.	-2.	49.	328.	54. 0.47
28654	GTRW16	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTRW16	DISTIL	0.	-0.437	0.	0.279	0.30	-185.	-99.	-1.	47.	299.	50. 0.47
28654	GTR308	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	32.	15. 0.40
28654	GTR308	DISTIL	0.	-0.419	0.	0.185	0.23	-178.	-94.	-0.	18.	243.	44. 0.41
28654	GTR312	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTR312	DISTIL	0.	-0.347	0.	0.242	0.31	-149.	-73.	1.	42.	255.	44. 0.47
28654	GTR316	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15. 0.40
28654	GTR316	DISTIL	0.	-0.341	0.	0.237	0.30	-147.	-72.	1.	41.	251.	43. 0.47
28654	FCPADS	DISTIL	0.	-0.004	0.	0.002	0.01	24.	25.	7.	27.	34.	15. 0.41
28654	FCPADS	DISTIL	0.	-0.818	0.	0.396	0.28	-128.	82.	10.	264.	752.	90. 0.85
28654	FCMCDS	DISTIL	0.	-0.003	0.	0.003	0.01	21.	25.	7.	25.	34.	15. 0.40
28654	FCMCDS	DISTIL	0.	-0.541	0.	0.419	0.36	-492.	81.	-1.	-181.	612.	64. 0.46
28691	PFBSTM	COAL-P	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1. 1.00
28691	PFBSTM	COAL-P	0.	0.	0.	0.051	1.00	0.	0.	0.	16.	28.	3. 1.00
28691	TIHRSG	COAL	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1. 1.00
28691	TIHRSG	COAL	0.	0.	0.	0.083	1.00	0.	0.	0.	27.	45.	5. 1.00
28691	HEGT00	COAL-A	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1. 1.00
28691	HEGT00	COAL-A	0.	0.	0.	0.128	1.00	0.	0.	0.	41.	70.	8. 1.00
28691	GTAC16	RESIDU	0.	-0.012	0.	0.000	0.01	-4.	-5.	-1.	-0.	2.	-0. 0.06
28691	GTRA08	DISTIL	0.	-0.011	0.	0.001	0.10	-3.	-3.	-0.	1.	4.	1. 0.49
28691	GTRA12	DISTIL	0.	-0.011	0.	0.001	0.11	-3.	-3.	-0.	1.	4.	1. 0.49
28691	GTRA16	DISTIL	0.	-0.012	0.	0.001	0.08	-3.	-3.	-0.	1.	4.	1. 0.48
28691	GTR212	DISTIL	0.	-0.012	0.	0.000	0.03	-3.	-3.	-0.	1.	3.	1. 0.45
28691	GTR216	DISTIL	0.	-0.012	0.	0.001	0.05	-3.	-3.	-0.	1.	4.	1. 0.46
28691	GTRW08	DISTIL	0.	-0.011	0.	0.001	0.09	-3.	-3.	-0.	1.	4.	1. 0.48
28691	GTRW12	DISTIL	0.	-0.011	0.	0.002	0.12	-3.	-3.	-0.	2.	4.	1. 0.50
28691	GTRW16	DISTIL	0.	-0.011	0.	0.001	0.10	-3.	-3.	-0.	1.	4.	1. 0.49
28691	GTR312	DISTIL	0.	-0.012	0.	0.001	0.06	-3.	-3.	-0.	1.	4.	1. 0.47
28691	GTR316	DISTIL	0.	-0.012	0.	0.001	0.06	-3.	-3.	-0.	1.	4.	1. 0.46
28691	FCPADS	DISTIL	0.	-0.011	0.	0.002	0.16	-2.	-3.	-0.	2.	4.	1. 0.52
28691	FCMCDS	DISTIL	0.	-0.010	0.	0.003	0.22	-2.	-3.	-0.	2.	4.	1. 0.56
28692	PFBSTM	COAL-P	0.	-0.018	0.	0.022	0.12	37.	-39.	5.	51.	-13.	13. 0.30
28692	TIHRSG	RESIDU	0.	-0.039	0.	0.009	0.05	-14.	-16.	-2.	1.	9.	-1. 0.06
28692	TIHRSG	RESIDU	0.	-0.079	0.	0.017	0.07	-28.	-31.	-4.	3.	19.	-1. 0.09

INVEST. CASE PRINTING SYSTEM- P1101-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 46

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

□

EMISSION UNITS=

TIME 1990

LEVEL ALL

TYPE MATCH=POWR

COST = \$*10**9

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX						PART	EXPORT
MMH																		
28692	TIHRSG	COAL	0.	-0.039	0.	0.009	0.05	-14.	-52.	-2.	3.	-21.	6.	-0.07	-34.	0.	230.	-3.
28692	TIHRSG	COAL	0.	-0.079	0.	0.017	0.07	-28.	-75.	-4.	4.	-18.	7.	-0.03	-46.	4.	164.	-4.
28692	HEGT00	COAL-A	0.	-0.041	0.	0.007	0.04	20.	-53.	-2.	37.	-22.	6.	0.12	-17.	0.	142.	-0.
28692	HEGT00	COAL-A	0.	-0.126	0.	0.020	0.07	1.	-104.	-6.	49.	-19.	8.	0.14	-20.	9.	78.	-2.
28692	FCMCCL	COAL	0.	-0.023	0.	0.025	0.13	10.	-11.	1.	26.	19.	10.	0.33	-16.	0.	131.	-0.
28692	FCMCCL	COAL	0.	-0.114	0.	0.127	0.33	49.	56.	6.	127.	192.	26.	1.00	-16.	18.	54.	-1.
28692	GTSOAR	RESIDU	-0.032	0.	-0.032	0.048	0.09	-11.	-12.	-0.	5.	14.	3.	0.19	0.	0.	49.	-0.
28692	GTSOAR	RESIDU	-0.211	0.	-0.211	0.318	0.23	-72.	-79.	-2.	30.	94.	17.	0.39	17.	25.	33.	-2.
28692	GTAC08	RESIDU	0.	-0.023	0.	0.025	0.14	-22.	-9.	-3.	7.	17.	-1.	0.05	1.	0.	39.	0.
28692	GTAC08	RESIDU	0.	-0.092	0.	0.103	0.31	-90.	-37.	-11.	-28.	67.	-3.	0.12	12.	14.	25.	1.
28692	GTAC12	RESIDU	0.	-0.023	0.	0.025	0.14	-20.	-9.	-2.	-5.	17.	-1.	0.07	1.	0.	39.	0.
28692	GTAC12	RESIDU	0.	-0.113	0.	0.128	0.34	-103.	-45.	-12.	-26.	83.	-3.	0.16	14.	18.	26.	1.
28692	GTAC16	RESIDU	0.	-0.024	0.	0.024	0.13	-20.	-10.	-2.	-5.	16.	-1.	0.06	1.	0.	41.	0.
28692	GTAC16	RESIDU	0.	-0.146	0.	0.142	0.33	-123.	-58.	-15.	-31.	95.	-4.	0.15	16.	23.	28.	0.
28692	GTWC16	RESIDU	0.	-0.025	0.	0.023	0.12	-21.	-10.	-3.	-6.	15.	-1.	0.05	0.	0.	44.	0.
28692	GTWC16	RESIDU	0.	-0.152	0.	0.135	0.32	-126.	-61.	-15.	-35.	92.	-4.	0.13	16.	22.	28.	-0.
28692	GTSOAR	DISTIL	-0.024	0.	-0.024	0.048	0.13	-10.	-4.	0.	5.	22.	2.	0.35	1.	0.	43.	-1.
28692	GTSOAR	DISTIL	-0.121	0.	-0.121	0.238	0.31	-49.	-20.	0.	27.	107.	9.	0.55	15.	18.	30.	-2.
28692	GTRA08	DISTIL	0.	-0.033	0.	0.015	0.08	2.	7.	4.	18.	38.	12.	0.41	0.	0.	56.	-2.
28692	GTRA08	DISTIL	0.	-0.446	0.	0.207	0.26	-185.	-109.	-3.	26.	252.	41.	0.44	37.	57.	39.	-10.
28692	GTRA12	DISTIL	0.	-0.031	0.	0.017	0.09	2.	8.	4.	19.	38.	12.	0.42	0.	0.	54.	-2.
28692	GTRA12	DISTIL	0.	-0.362	0.	0.199	0.28	-152.	-85.	-2.	30.	226.	37.	0.46	31.	48.	38.	-8.
28692	GTRA16	DISTIL	0.	-0.030	0.	0.018	0.10	2.	8.	4.	19.	38.	13.	0.42	-0.	0.	55.	-2.
28692	GTRA16	DISTIL	0.	-0.300	0.	0.179	0.29	-127.	-68.	-1.	28.	198.	33.	0.46	25.	40.	38.	-6.
28692	GTR208	DISTIL	0.	-0.029	0.	0.019	0.10	2.	8.	4.	18.	39.	13.	0.42	0.	0.	51.	-1.
28692	GTR208	DISTIL	0.	-0.211	0.	0.139	0.28	-91.	-43.	1.	22.	153.	27.	0.45	20.	28.	36.	-4.
28692	GTR212	DISTIL	0.	-0.029	0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR212	DISTIL	0.	-0.228	0.	0.151	0.29	-98.	-48.	1.	25.	164.	29.	0.46	21.	31.	36.	-4.
28692	GTR216	DISTIL	0.	-0.029	0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR216	DISTIL	0.	-0.235	0.	0.159	0.30	-101.	-50.	1.	27.	170.	30.	0.46	21.	32.	36.	-5.
28692	GTRW08	DISTIL	0.	-0.035	0.	0.014	0.07	1.	7.	4.	18.	37.	12.	0.40	-0.	0.	58.	-2.
28692	GTRW08	DISTIL	0.	-0.520	0.	0.203	0.24	-215.	-130.	-4.	19.	270.	44.	0.42	44.	63.	40.	-11.
28692	GTRW12	DISTIL	0.	-0.032	0.	0.016	0.09	2.	8.	4.	19.	38.	12.	0.41	-0.	0.	56.	-2.
28692	GTRW12	DISTIL	0.	-0.439	0.	0.219	0.27	-183.	-107.	-3.	30.	257.	42.	0.45	39.	57.	38.	-9.
28692	GTRW16	DISTIL	0.	-0.031	0.	0.017	0.09	2.	8.	4.	19.	38.	12.	0.42	-0.	0.	56.	-2.
28692	GTRW16	DISTIL	0.	-0.357	0.	0.197	0.28	-150.	-84.	-1.	29.	223.	37.	0.45	31.	47.	37.	-7.
28692	GTR308	DISTIL	0.	-0.035	0.	0.013	0.07	0.	7.	4.	17.	37.	12.	0.40	0.	0.	57.	-2.
28692	GTR308	DISTIL	0.	-0.351	0.	0.124	0.20	-143.	-82.	-1.	6.	182.	32.	0.39	28.	40.	41.	-8.
28692	GTR312	DISTIL	0.	-0.029	0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR312	DISTIL	0.	-0.254	0.	0.166	0.30	-108.	-55.	0.	28.	179.	31.	0.46	25.	35.	35.	-5.
28692	GTR316	DISTIL	0.	-0.029	0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	-0.	0.	53.	-1.
28692	GTR316	DISTIL	0.	-0.249	0.	0.162	0.30	-106.	-53.	0.	27.	175.	30.	0.46	23.	34.	36.	-5.
28692	FCPADS	DISTIL	0.	-0.032	0.	0.016	0.08	11.	19.	5.	27.	49.	13.	0.54	-0.	0.	66.	-2.
28692	FCPADS	DISTIL	0.	-0.558	0.	0.270	0.28	-87.	56.	7.	180.	513.	62.	0.85	26.	73.	56.	-23.
28692	FCNCDS	DISTIL	0.	-0.027	0.	0.021	0.11	-9.	19.	4.	7.	50.	13.	0.42	-0.	0.	62.	-2.
28692	FCNCDS	DISTIL	0.	-0.369	0.	0.286	0.36	-335.	55.	-1.	-123.	417.	44.	0.46	17.	57.	51.	-15.

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GENERAL ELECTRIC COMPANY

PAGE 47

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

[]

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		TOTAL		FESR		DIRECT		*****TOTAL*****		EMSR SAVING	TOTAL EXPORT	COST LAEC SAVED				
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX				PART			
28693	STM141	RESIDU	0.	-0.011	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	3.	0.	25.	0.
28693	STM141	RESIDU	0.	-0.059	0.	0.098	0.22	-21.	-24.	-3.	29.	60.	4.	0.23	13.	12.	18.	1.
28693	STM141	COAL-F	0.	-0.011	0.	0.019	0.06	-4.	-65.	-1.	8.	-40.	13.	-0.07	-12.	0.	165.	2.
28693	STM141	COAL-F	0.	-0.059	0.	0.098	0.22	-21.	-94.	-3.	32.	1.	18.	0.13	-1.	12.	37.	4.
28693	STM141	COAL-A	0.	-0.011	0.	0.019	0.06	61.	-65.	-1.	73.	-40.	13.	0.16	-11.	0.	149.	3.
28693	STM141	COAL-A	0.	-0.059	0.	0.098	0.22	55.	-94.	-3.	108.	1.	18.	0.31	7.	12.	24.	5.
28693	STM088	RESIDU	0.	-0.011	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	4.	0.	14.	1.
28693	STM088	RESIDU	0.	-0.041	0.	0.068	0.17	-14.	-16.	-2.	20.	42.	3.	0.18	10.	7.	16.	1.
28693	STM088	COAL-F	0.	-0.011	0.	0.019	0.06	-4.	-65.	-1.	8.	-40.	13.	-0.07	-13.	0.	167.	2.
28693	STM088	COAL-F	0.	-0.041	0.	0.068	0.17	-14.	-83.	-2.	23.	-15.	16.	0.07	-3.	7.	45.	4.
28693	STM088	COAL-A	0.	-0.011	0.	0.019	0.06	61.	-65.	-1.	73.	-40.	13.	0.16	-11.	0.	148.	3.
28693	STM088	COAL-A	0.	-0.041	0.	0.068	0.17	57.	-83.	-2.	95.	-15.	16.	0.27	4.	7.	28.	5.
28693	PFBSTM	COAL-P	0.	-0.012	0.	0.018	0.06	62.	-66.	-0.	74.	-40.	13.	0.17	-12.	0.	159.	2.
28693	PFBSTM	COAL-P	0.	-0.105	0.	0.162	0.29	73.	-121.	9.	161.	33.	36.	0.46	4.	22.	34.	4.
28693	TISTMT	RESIDU	0.	-0.012	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	-9.	0.	118.	-1.
28693	TISTMT	RESIDU	0.	-0.126	0.	0.199	0.32	-44.	-50.	-6.	60.	123.	8.	0.34	-37.	28.	67.	-6.
28693	TISTMT	COAL	0.	-0.012	0.	0.019	0.06	-4.	-66.	-1.	8.	-40.	13.	-0.07	-21.	0.	231.	1.
28693	TISTMT	COAL	0.	-0.140	0.	0.221	0.34	-49.	-142.	-7.	69.	64.	26.	0.27	-61.	31.	76.	-4.
28693	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.04	-6.	-7.	-1.	4.	9.	0.	0.05	-11.	0.	143.	-2.
28693	TIHRSG	RESIDU	0.	-0.093	0.	0.077	0.17	-32.	-37.	-5.	21.	53.	2.	0.18	-44.	13.	106.	-7.
28693	TIHRSG	COAL	0.	-0.017	0.	0.014	0.04	-6.	-68.	-1.	6.	-43.	13.	-0.09	-28.	0.	209.	0.
28693	TIHRSG	COAL	0.	-0.103	0.	0.085	0.18	-36.	-120.	-5.	27.	-9.	18.	0.08	-68.	15.	128.	-5.
28693	STIRL	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-2.	0.	70.	-3.
28693	STIRL	DISTIL	0.	-0.229	0.	0.182	0.26	-17.	-30.	6.	117.	204.	42.	0.57	15.	36.	39.	-7.
28693	STIRL	RESIDU	0.	-0.017	0.	0.013	0.04	-6.	-7.	-1.	4.	9.	0.	0.05	-2.	0.	66.	-0.
28693	STIRL	RESIDU	0.	-0.229	0.	0.182	0.26	-80.	-92.	-24.	50.	126.	-9.	0.26	15.	36.	35.	-2.
28693	STIRL	COAL	0.	-0.017	0.	0.013	0.04	-6.	-69.	-1.	6.	-43.	13.	-0.09	-13.	0.	165.	2.
28693	STIRL	COAL	0.	-0.254	0.	0.202	0.27	-89.	-211.	-13.	60.	47.	26.	0.20	-12.	40.	44.	1.
28693	HEGT85	COAL-A	0.	-0.026	0.	0.004	0.01	59.	-74.	-1.	71.	-49.	12.	0.12	-16.	0.	199.	2.
28693	HEGT85	COAL-A	0.	-2.013	0.	0.333	0.13	-316.	-1267.	-101.	441.	25.	50.	0.21	-33.	217.	46.	-24.
28693	HEGT60	COAL-A	0.	-0.025	0.	0.006	0.02	59.	-73.	-1.	71.	-48.	12.	0.13	-16.	0.	196.	2.
28693	HEGT60	COAL-A	0.	-0.626	0.	0.144	0.14	-64.	-434.	-31.	186.	-4.	26.	0.21	-35.	69.	53.	-7.
28693	HEGT00	COAL-A	0.	-0.023	0.	0.007	0.02	59.	-73.	-1.	71.	-47.	12.	0.13	-16.	0.	193.	2.
28693	HEGT00	COAL-A	0.	-0.241	0.	0.071	0.12	6.	-203.	-12.	108.	-24.	18.	0.19	-23.	26.	61.	-1.
28693	FCNCCL	COAL	0.	-0.291	0.	0.264	0.31	102.	117.	13.	283.	429.	56.	1.00	-13.	49.	44.	-0.
28693	FCSTCL	COAL	0.	-0.394	0.	0.414	0.38	102.	117.	13.	364.	567.	72.	1.00	-4.	73.	38.	1.
28693	IGGTST	COAL	0.	-0.347	0.	0.209	0.25	-122.	-267.	11.	60.	46.	56.	0.21	-7.	49.	40.	1.
28693	GTSCAR	RESIDU	-0.017	0.	-0.017	0.030	0.04	-2.	-6.	-0.	8.	10.	2.	0.11	-1.	0.	57.	-0.
28693	GTSCAR	RESIDU	-0.294	0.	-0.294	0.532	0.29	-110.	-111.	-2.	61.	180.	29.	0.42	35.	47.	27.	-1.
28693	GTAC08	RESIDU	0.	-0.014	0.	0.016	0.05	-6.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	50.	-0.
28693	GTAC08	RESIDU	0.	-0.191	0.	0.217	0.31	-180.	-76.	-21.	-50.	141.	-5.	0.14	30.	35.	22.	1.
28693	GTAC12	RESIDU	0.	-0.014	0.	0.016	0.05	-5.	-6.	-1.	5.	10.	0.	0.05	-1.	0.	50.	-0.
28693	GTAC12	RESIDU	0.	-0.243	0.	0.268	0.33	-211.	-97.	-26.	-43.	175.	-5.	0.17	35.	45.	23.	1.
28693	GTAC16	RESIDU	0.	-0.015	0.	0.016	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	51.	-0.
28693	GTAC16	RESIDU	0.	-0.283	0.	0.298	0.34	-235.	-113.	-29.	-50.	196.	-5.	0.18	38.	52.	25.	0.
28693	GTWC16	RESIDU	0.	-0.016	0.	0.014	0.04	-6.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	55.	-0.

KEY: PAGE PRINTING SYSTEM - 0118-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 40

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING	TOTAL COST					
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX			PART	EXPORT	LAEC SAVED		
MWH																		
28693	GTWC16	RESIDU	0.	-0.322	0.	0.283	0.32	-258.	-129.	-32.	-66.	193.	-9.	0.14	42.	54.	25.	-0.
28693	CC1626	RESIDU	0.	-0.016	0.	0.014	0.04	-6.	-7.	-1.	4.	10.	0.	0.05	-1.	0.	56.	-0.
28693	CC1626	RESIDU	0.	-0.497	0.	0.422	0.35	-363.	-199.	-45.	-71.	289.	-10.	0.19	63.	83.	26.	-1.
28693	CC1622	RESIDU	0.	-0.016	0.	0.015	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	53.	-0.
28693	CC1622	RESIDU	0.	-0.428	0.	0.398	0.36	-322.	-171.	-40.	-59.	268.	-8.	0.20	54.	75.	26.	-1.
28693	CC1222	RESIDU	0.	-0.016	0.	0.015	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-0.	0.	52.	-0.
28693	CC1222	RESIDU	0.	-0.421	0.	0.400	0.36	-318.	-169.	-39.	-57.	268.	-7.	0.20	56.	74.	25.	-1.
28693	CC0822	RESIDU	0.	-0.014	0.	0.016	0.05	-5.	-6.	-1.	5.	10.	0.	0.05	-1.	0.	53.	-0.
28693	CC0822	RESIDU	0.	-0.311	0.	0.339	0.36	-251.	-124.	-31.	-45.	222.	-5.	0.20	45.	58.	24.	1.
28693	STIG15	RESIDU	0.	-0.025	0.	0.005	0.02	-9.	-10.	-1.	1.	6.	-0.	0.02	-1.	0.	64.	-0.
28693	STIG15	RESIDU	0.	-18.850	0.	3.942	0.17	-11375.	-7540.	-560.	-4184.	4359.	35.	0.01	1507.	2135.	37.	-300.
28693	STIG10	RESIDU	0.	-0.023	0.	0.008	0.02	-8.	-9.	-1.	2.	7.	-0.	0.03	-0.	0.	60.	-0.
28693	STIG10	RESIDU	0.	-1.585	0.	0.522	0.22	-1016.	-634.	-42.	-350.	471.	19.	0.06	138.	195.	34.	-22.
28693	STIG1S	RESIDU	0.	-0.022	0.	0.009	0.03	-8.	-9.	-1.	2.	7.	-0.	0.03	-0.	0.	58.	-0.
28693	STIG1S	RESIDU	0.	-0.888	0.	0.349	0.23	-598.	-355.	-21.	-207.	295.	16.	0.07	84.	113.	33.	-11.
28693	DEADV3	RESIDU	0.	-0.020	0.	0.010	0.03	-7.	-8.	-1.	3.	8.	0.	0.04	-4.	0.	84.	-1.
28693	DEADV3	RESIDU	0.	-0.921	0.	0.486	0.29	-1031.	-368.	-77.	-585.	374.	-31.	-0.16	35.	129.	41.	-16.
28693	DEHTPM	RESIDU	0.	-0.015	0.	0.016	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-4.	0.	61.	-1.
28693	DEHTPM	RESIDU	0.	-0.288	0.	0.305	0.34	-430.	-115.	-29.	-241.	201.	-5.	-0.06	13.	53.	36.	-3.
28693	DESOA3	DISTIL	-0.021	0.	-0.021	0.030	0.03	24.	59.	2.	32.	66.	-8.	0.52	-3.	0.	83.	-3.
28693	DESOA3	DISTIL	-1.163	0.	-1.163	1.642	0.25	-2672.	-126.	2.	-2155.	728.	41.	-0.83	9.	151.	53.	-38.
28693	DESOA3	RESIDU	-0.021	0.	-0.021	0.030	0.03	-2.	-8.	-0.	7.	8.	2.	0.10	-3.	0.	78.	-1.
28693	DESOA3	RESIDU	-1.163	0.	-1.163	1.642	0.25	-5734.	-438.	-9.	-5206.	460.	88.	-2.79	9.	151.	47.	-26.
28693	GTSCAD	DISTIL	-0.015	0.	-0.015	0.030	0.05	-1.	-2.	0.	9.	14.	1.	0.23	-0.	0.	54.	-3.
28693	GTSCAD	DISTIL	-0.248	0.	-0.248	0.493	0.31	-95.	-40.	0.	62.	222.	19.	0.57	37.	43.	27.	-4.
28693	GTRA08	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	55.	23.	0.43	-1.	0.	62.	-3.
28693	GTRA08	DISTIL	0.	-0.447	0.	0.378	0.34	-183.	-91.	2.	80.	369.	63.	0.50	51.	75.	32.	-8.
28693	GTRA12	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	61.	-3.
28693	GTRA12	DISTIL	0.	-0.426	0.	0.378	0.34	-180.	-85.	2.	81.	363.	62.	0.50	51.	73.	31.	-7.
28693	GTRA16	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	62.	-3.
28693	GTRA16	DISTIL	0.	-0.394	0.	0.355	0.34	-167.	-76.	3.	76.	342.	59.	0.50	45.	67.	31.	-7.
28693	GTR208	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	59.	-3.
28693	GTR208	DISTIL	0.	-0.326	0.	0.293	0.32	-140.	-57.	4.	62.	290.	52.	0.49	41.	55.	30.	-6.
28693	GTR212	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	60.	-3.
28693	GTR212	DISTIL	0.	-0.351	0.	0.313	0.33	-149.	-64.	4.	66.	308.	55.	0.49	43.	59.	30.	-6.
28693	GTR216	DISTIL	0.	-0.016	0.	0.015	0.05	32.	30.	9.	43.	56.	23.	0.43	-1.	0.	60.	-3.
28693	GTR216	DISTIL	0.	-0.354	0.	0.327	0.34	-151.	-65.	4.	71.	316.	56.	0.50	43.	61.	31.	-6.
28693	GTRW08	DISTIL	0.	-0.019	0.	0.012	0.04	31.	29.	9.	43.	55.	23.	0.42	-1.	0.	66.	-3.
28693	GTRW08	DISTIL	0.	-0.604	0.	0.380	0.30	-251.	-135.	-1.	68.	412.	69.	0.47	66.	89.	33.	-11.
28693	GTRW12	DISTIL	0.	-0.018	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	64.	-3.
28693	GTRW12	DISTIL	0.	-0.585	0.	0.413	0.32	-243.	-130.	-0.	80.	425.	71.	0.49	67.	91.	32.	-10.
28693	GTRW16	DISTIL	0.	-0.018	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	65.	-3.
28693	GTRW16	DISTIL	0.	-0.535	0.	0.388	0.32	-223.	-116.	1.	76.	398.	67.	0.49	61.	84.	32.	-10.
28693	GTR308	DISTIL	0.	-0.019	0.	0.011	0.03	31.	29.	9.	43.	55.	23.	0.42	-1.	0.	65.	-3.
28693	GTR308	DISTIL	0.	-0.483	0.	0.269	0.26	-202.	-101.	1.	42.	319.	58.	0.44	51.	68.	35.	-10.
28693	GTR312	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-1.	0.	62.	-3.

MAYELL PAGE PRINTING SYSTEM - P118-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 49

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING*****										*****EMISSIONS SAVING*****										CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED										
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART									
																		MWH							
28693	GTR312	DISTIL	0.	-0.458	0.	0.344	0.31	-192.	-94.	2.	68.	353.	61.	0.48	55.	72.	31.	-8.							
28693	GTR316	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	64.	-3.							
28693	GTR316	DISTIL	0.	-0.453	0.	0.337	0.31	-190.	-93.	2.	66.	348.	60.	0.48	53.	71.	32.	-8.							
28693	FCPADS	DISTIL	0.	-0.020	0.	0.010	0.03	30.	29.	9.	42.	54.	23.	0.42	-2.	0.	84.	-3.							
28693	FCPADS	DISTIL	0.	-1.171	0.	0.567	0.28	-184.	108.	14.	377.	1067.	129.	0.84	57.	160.	55.	-49.							
28693	FCMCDS	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-2.	0.	79.	-3.							
28693	FCMCDS	DISTIL	0.	-0.775	0.	0.600	0.36	-687.	106.	-1.	-242.	867.	92.	0.47	39.	126.	51.	-32.							
28694	STM141	RESIDU	0.	-0.010	0.	0.017	0.05	-4.	-4.	-1.	5.	11.	1.	0.05	2.	0.	27.	0.							
28694	STM141	RESIDU	0.	-0.037	0.	0.060	0.15	-13.	-15.	-2.	18.	37.	2.	0.16	9.	6.	16.	1.							
28694	STM141	COAL-F	0.	-0.010	0.	0.017	0.05	-4.	-69.	-1.	8.	-45.	14.	-0.08	-15.	0.	199.	2.							
28694	STM141	COAL-F	0.	-0.037	0.	0.060	0.15	-13.	-85.	-2.	21.	-23.	17.	0.04	-5.	6.	53.	4.							
28694	STM141	COAL-A	0.	-0.010	0.	0.017	0.05	67.	-69.	-1.	78.	-45.	14.	0.15	-12.	0.	173.	3.							
28694	STM141	COAL-A	0.	-0.037	0.	0.060	0.15	63.	-85.	-2.	97.	-23.	17.	0.25	3.	6.	31.	5.							
28694	PFBSTM	COAL-P	0.	-0.011	0.	0.016	0.05	67.	-70.	-0.	78.	-45.	14.	0.15	-13.	0.	187.	3.							
28694	PFBSTM	COAL-P	0.	-0.088	0.	0.129	0.24	80.	-116.	10.	152.	12.	35.	0.42	-0.	18.	40.	4.							
28694	TISTMT	RESIDU	0.	-0.011	0.	0.017	0.05	-4.	-4.	-1.	5.	11.	1.	0.05	-10.	0.	134.	-1.							
28694	TISTMT	RESIDU	0.	-0.103	0.	0.162	0.28	-36.	-41.	-5.	48.	101.	6.	0.30	-41.	22.	78.	-7.							
28694	TISTMT	COAL	0.	-0.011	0.	0.017	0.05	-4.	-70.	-1.	8.	-45.	14.	-0.08	-23.	0.	271.	1.							
28694	TISTMT	COAL	0.	-0.122	0.	0.191	0.30	-43.	-136.	-6.	60.	44.	25.	0.23	-69.	27.	89.	-4.							
28694	TIHRSG	RESIDU	0.	-0.018	0.	0.010	0.03	-6.	-7.	-1.	3.	8.	0.	0.03	-13.	0.	173.	-2.							
28694	TIHRSG	RESIDU	0.	-0.124	0.	0.069	0.14	-43.	-50.	-6.	18.	52.	0.	0.15	-48.	16.	110.	-9.							
28694	TIHRSG	COAL	0.	-0.018	0.	0.010	0.03	-6.	-74.	-1.	5.	-49.	13.	-0.10	-27.	0.	315.	1.							
28694	TIHRSG	COAL	0.	-0.146	0.	0.082	0.15	-51.	-151.	-7.	25.	-17.	19.	0.05	-78.	19.	126.	-7.							
28694	STIRL	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	46.	58.	24.	0.42	-3.	0.	78.	-3.							
28694	STIRL	DISTIL	0.	-0.220	0.	0.161	0.23	-13.	-24.	7.	112.	193.	42.	0.55	12.	33.	42.	-7.							
28694	STIRL	RESIDU	0.	-0.016	0.	0.012	0.03	-6.	-6.	-1.	3.	8.	0.	0.04	-3.	0.	74.	-0.							
28694	STIRL	RESIDU	0.	-0.220	0.	0.161	0.23	-77.	-88.	-24.	44.	114.	-10.	0.23	12.	33.	37.	-3.							
28694	STIRL	COAL	0.	-0.016	0.	0.012	0.03	-6.	-73.	-1.	6.	-48.	13.	-0.10	-14.	0.	193.	3.							
28694	STIRL	COAL	0.	-0.259	0.	0.189	0.25	-91.	-218.	-13.	56.	36.	26.	0.17	-17.	39.	47.	1.							
28694	HEGT60	COAL-A	0.	-0.027	0.	0.001	0.00	64.	-79.	-1.	76.	-55.	13.	0.11	-17.	0.	220.	2.							
28694	HEGT60	COAL-A	0.	-1.314	0.	0.050	0.03	-185.	-852.	-66.	256.	-96.	28.	0.12	-37.	125.	52.	-18.							
28694	HEGT00	COAL-A	0.	-0.023	0.	0.005	0.01	65.	-77.	-1.	76.	-52.	13.	0.12	-16.	0.	214.	2.							
28694	HEGT00	COAL-A	0.	-0.303	0.	0.068	0.10	-2.	-245.	-15.	120.	-33.	19.	0.17	-26.	32.	60.	-2.							
28694	FCMCCL	COAL	0.	-0.355	0.	0.202	0.30	110.	126.	14.	318.	484.	64.	1.00	-13.	57.	44.	-1.							
28694	FCSTCL	COAL	0.	-0.415	0.	0.377	0.34	110.	126.	14.	368.	569.	74.	1.00	-7.	72.	40.	-0.							
28694	IGGTST	COAL	0.	-0.364	0.	0.157	0.19	-127.	-282.	12.	43.	13.	56.	0.15	-10.	46.	44.	0.							
28694	GTSQAR	RESIDU	-0.016	0.	-0.016	0.028	0.03	-2.	-6.	-0.	7.	9.	2.	0.10	-1.	0.	61.	-0.							
28694	GTSQAR	RESIDU	-0.367	0.	-0.367	0.619	0.27	-128.	-138.	-3.	71.	200.	34.	0.42	39.	55.	29.	-2.							
28694	GTAC08	RESIDU	0.	-0.013	0.	0.015	0.04	-5.	-5.	-1.	4.	10.	0.	0.05	-1.	0.	53.	-0.							
28694	GTAC08	RESIDU	0.	-0.205	0.	0.235	0.31	-188.	-82.	-23.	-48.	152.	-5.	0.15	32.	39.	23.	1.							
28694	GTAC12	RESIDU	0.	-0.013	0.	0.015	0.04	-5.	-5.	-1.	4.	9.	0.	0.05	-1.	0.	53.	-0.							
28694	GTAC12	RESIDU	0.	-0.264	0.	0.289	0.33	-224.	-106.	-27.	-48.	189.	-5.	0.17	38.	49.	24.	1.							
28694	GTAC16	RESIDU	0.	-0.014	0.	0.014	0.04	-5.	-6.	-1.	4.	9.	0.	0.05	-1.	0.	55.	-0.							
28694	GTAC16	RESIDU	0.	-0.319	0.	0.322	0.34	-257.	-128.	-31.	-53.	213.	-6.	0.18	42.	58.	25.	-0.							
28694	GTWC16	RESIDU	0.	-0.015	0.	0.013	0.04	-5.	-6.	-1.	4.	9.	0.	0.04	-1.	0.	58.	-0.							
28694	GTWC16	RESIDU	0.	-0.347	0.	0.306	0.32	-273.	-139.	-33.	-66.	208.	-9.	0.15	45.	59.	25.	-1.							

NEWELL PAGE PRINTING SYSTEM - P118-8

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 50

ISE PEO AES
 FUEL UNITS =
 EMISSION UNITS=
 COST = \$*10**9

COGENERATION TECHNOLOGY
 REPORT 6.1
 TIME 1990

ALTERNATIVES STUDY
 FUEL AND EMISSIONS SAVINGS
 LEVEL ALL

(SAVINGS ARE
 TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS-----				SAVINGS-----				CAPITL--ELECTRIC POWER---		COST	LAEC	SAVED
		ECS *****DIRECT*****	TOTAL-----	FESR-----	DIRECT-----	NOX	SOX	PART	NOX	SOX	PART	EMSR	SAVING	TOTAL	EXPORT			
		FUEL OIL+GAS	COAL OIL+GAS	COAL										MWH				
28694	DEHTPM	RESIDU	0.	-0.015	0.	0.012	0.04	-5.	-6.	-1.	3.	9.	0.	0.04	-5.	0.	94.	-1.
28694	DEHTPM	RESIDU	0.	-0.310	0.	0.250	0.29	-450.	-124.	-31.	-272.	173.	-10.	-0.14	5.	50.	42.	-5.
28694	GTSOAR	DISTIL	-0.014	0.	-0.014	0.028	0.04	-0.	-2.	0.	8.	12.	1.	0.20	-1.	0.	57.	-3.
28694	GTSOAR	DISTIL	-0.275	0.	-0.275	0.540	0.31	-101.	-45.	0.	71.	242.	21.	0.57	40.	48.	28.	-5.
28694	GTRA08	DISTIL	0.	-0.016	0.	0.011	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	67.	-3.
28694	GTRA08	DISTIL	0.	-0.608	0.	0.423	0.31	-250.	-134.	0.	84.	440.	74.	0.48	64.	94.	34.	-12.
28694	GTRA12	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	65.	-3.
28694	GTRA12	DISTIL	0.	-0.556	0.	0.420	0.32	-229.	-119.	1.	88.	424.	71.	0.49	60.	89.	33.	-10.
28694	GTRA16	DISTIL	0.	-0.016	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	66.	-3.
28694	GTRA16	DISTIL	0.	-0.499	0.	0.390	0.32	-206.	-103.	2.	82.	392.	67.	0.49	52.	81.	33.	-10.
28694	GTR208	DISTIL	0.	-0.015	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	63.	-3.
28694	GTR208	DISTIL	0.	-0.395	0.	0.316	0.31	-164.	-74.	4.	67.	324.	58.	0.48	45.	64.	32.	-8.
28694	GTR212	DISTIL	0.	-0.015	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	64.	-3.
28694	GTR212	DISTIL	0.	-0.424	0.	0.339	0.31	-176.	-82.	3.	72.	345.	61.	0.49	47.	69.	32.	-8.
28694	GTR216	DISTIL	0.	-0.015	0.	0.013	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	64.	-3.
28694	GTR216	DISTIL	0.	-0.430	0.	0.356	0.32	-178.	-84.	3.	77.	356.	62.	0.49	47.	71.	33.	-8.
28694	GTRW08	DISTIL	0.	-0.018	0.	0.010	0.03	34.	32.	10.	45.	57.	24.	0.42	-1.	0.	70.	-3.
28694	GTRW08	DISTIL	0.	-0.786	0.	0.423	0.28	-321.	-184.	-3.	71.	487.	81.	0.46	80.	111.	35.	-16.
28694	GTRW12	DISTIL	0.	-0.017	0.	0.011	0.03	34.	33.	10.	45.	57.	24.	0.42	-1.	0.	68.	-3.
28694	GTRW12	DISTIL	0.	-0.733	0.	0.460	0.30	-300.	-169.	-2.	87.	493.	81.	0.48	79.	109.	34.	-14.
28694	GTRW16	DISTIL	0.	-0.017	0.	0.011	0.03	34.	33.	10.	45.	57.	24.	0.42	-2.	0.	69.	-3.
28694	GTRW16	DISTIL	0.	-0.649	0.	0.428	0.31	-266.	-145.	-1.	83.	453.	76.	0.48	69.	98.	34.	-12.
28694	GTR308	DISTIL	0.	-0.019	0.	0.009	0.03	34.	32.	10.	45.	57.	24.	0.42	-1.	0.	69.	-3.
28694	GTR308	DISTIL	0.	-0.615	0.	0.287	0.24	-252.	-136.	-0.	40.	367.	66.	0.42	61.	82.	36.	-14.
28694	GTR312	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	66.	-3.
28694	GTR312	DISTIL	0.	-0.526	0.	0.374	0.31	-217.	-111.	1.	75.	391.	67.	0.48	60.	82.	32.	-10.
28694	GTR316	DISTIL	0.	-0.016	0.	0.011	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	67.	-3.
28694	GTR316	DISTIL	0.	-0.518	0.	0.366	0.30	-214.	-108.	2.	73.	384.	67.	0.48	57.	80.	33.	-10.
28694	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.03	34.	32.	10.	45.	57.	24.	0.42	-3.	0.	89.	-3.
28694	FCPADS	DISTIL	0.	-1.264	0.	0.612	0.28	-199.	111.	15.	407.	1146.	139.	0.84	61.	173.	55.	-53.
28694	FCMCDS	DISTIL	0.	-0.016	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-3.	0.	65.	-3.
28694	FCMCDS	DISTIL	0.	-0.837	0.	0.647	0.36	-730.	109.	-2.	-251.	930.	99.	0.47	42.	137.	51.	-35.
28731	PFBSTM	COAL-P	0.	-0.014	0.	0.017	0.03	141.	-135.	3.	156.	-99.	30.	0.15	-15.	0.	200.	7.
28731	PFBSTM	COAL-P	0.	-0.090	0.	0.110	0.13	167.	-180.	21.	236.	-52.	58.	0.33	-2.	16.	47.	8.
28731	TIHRSG	RESIDU	0.	-0.026	0.	0.006	0.01	-9.	-10.	-1.	1.	6.	-0.	0.01	-10.	0.	137.	-2.
28731	TIHRSG	RESIDU	0.	-0.357	0.	0.078	0.07	-125.	-143.	-18.	12.	85.	-6.	0.09	-78.	38.	96.	-18.
28731	TIHRSG	COAL	0.	-0.026	0.	0.006	0.01	-9.	-142.	-1.	6.	-106.	26.	-0.13	-37.	0.	368.	4.
28731	TIHRSG	COAL	0.	-0.357	0.	0.078	0.07	-125.	-340.	-18.	20.	-84.	33.	-0.03	-115.	38.	108.	-10.
28731	HEGT00	COAL-A	0.	-0.027	0.	0.004	0.01	130.	-143.	-1.	145.	-107.	26.	0.11	-25.	0.	271.	6.
28731	HEGT00	COAL-A	0.	-0.572	0.	0.091	0.07	3.	-470.	-29.	221.	-88.	36.	0.14	-27.	59.	53.	-1.
28731	FCMCCL	COAL	0.	-0.015	0.	0.016	0.02	6.	-116.	1.	21.	-80.	28.	-0.05	-31.	0.	311.	5.
28731	FCMCCL	COAL	0.	-0.519	0.	0.575	0.33	221.	252.	29.	578.	870.	119.	1.00	-5.	100.	37.	5.
28731	GTSOAR	RESIDU	-0.021	0.	-0.021	0.031	0.02	-7.	-8.	-0.	3.	9.	2.	0.04	-2.	0.	66.	-0.
28731	GTSOAR	RESIDU	-0.957	0.	-0.957	1.441	0.23	-328.	-360.	-8.	136.	428.	78.	0.39	87.	132.	30.	-9.
28731	GTAC08	RESIDU	0.	-0.015	0.	0.017	0.03	-14.	-6.	-2.	-4.	11.	-0.	0.01	-1.	0.	55.	-0.
28731	GTAC08	RESIDU	0.	-0.417	0.	0.469	0.31	-408.	-167.	-49.	-126.	305.	-13.	0.12	63.	80.	21.	2.

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING*****				- - EMISSIONS SAVING - - -				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING	TOTAL COST
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
													LAEC SAVED
28731	GTAC12	RESIDU	0.	-0.015	0.	0.017	0.03	-13.	-6.	-2.	-3.	11.	-0.001
28731	GTAC12	RESIDU	0.	-0.512	0.	0.579	0.34	-465.	-205.	-56.	-118.	376.	-12.016
28731	GTAC16	RESIDU	0.	-0.016	0.	0.015	0.02	-13.	-6.	-2.	-3.	10.	-0.001
28731	GTAC16	RESIDU	0.	-0.663	0.	0.645	0.33	-556.	-265.	-67.	-140.	430.	-17.015
28731	GTWC16	RESIDU	0.	-0.017	0.	0.015	0.02	-14.	-7.	-2.	-4.	10.	-0.001
28731	GTWC16	RESIDU	0.	-0.692	0.	0.612	0.32	-573.	-277.	-70.	-159.	415.	-20.013
28731	GTS0AD	DISTIL	-0.016	0.	-0.016	0.031	0.02	-6.	-3.	0.	4.	14.	1.010
28731	GTS0AD	DISTIL	-0.549	0.	-0.549	1.078	0.31	-221.	-89.	0.	122.	484.	42.055
28731	GTRA08	DISTIL	0.	-0.021	0.	0.010	0.01	66.	69.	21.	81.	105.	48.040
28731	GTRA08	DISTIL	0.	-2.023	0.	0.939	0.26	-841.	-494.	-14.	117.	1145.	187.044
28731	GTRA12	DISTIL	0.	-0.020	0.	0.011	0.02	66.	69.	21.	81.	105.	48.040
28731	GTRA12	DISTIL	0.	-1.644	0.	0.903	0.28	-689.	-388.	-7.	135.	1024.	169.046
28731	GTRA16	DISTIL	0.	-0.020	0.	0.012	0.02	66.	69.	21.	81.	106.	48.040
28731	GTRA16	DISTIL	0.	-1.362	0.	0.813	0.29	-576.	-308.	-2.	128.	900.	152.046
28731	GTR208	DISTIL	0.	-0.019	0.	0.012	0.02	66.	70.	21.	81.	106.	48.040
28731	GTR208	DISTIL	0.	-0.958	0.	0.632	0.28	-415.	-195.	5.	102.	694.	124.045
28731	GTR212	DISTIL	0.	-0.019	0.	0.012	0.02	66.	70.	21.	81.	106.	48.040
28731	GTR212	DISTIL	0.	-1.033	0.	0.685	0.29	-445.	-216.	3.	112.	742.	130.046
28731	GTR216	DISTIL	0.	-0.019	0.	0.013	0.02	67.	70.	21.	81.	106.	48.040
28731	GTR216	DISTIL	0.	-1.065	0.	0.723	0.30	-453.	-225.	3.	122.	772.	134.046
28731	GTRW03	DISTIL	0.	-0.023	0.	0.009	0.01	66.	69.	20.	81.	105.	48.040
28731	GTRW08	DISTIL	0.	-2.357	0.	0.922	0.24	-975.	-589.	-19.	85.	1224.	200.042
28731	GTRW12	DISTIL	0.	-0.021	0.	0.010	0.02	66.	69.	21.	81.	105.	48.040
28731	GTRW12	DISTIL	0.	-1.992	0.	0.993	0.27	-828.	-486.	-13.	137.	1166.	189.045
28731	GTRW16	DISTIL	0.	-0.020	0.	0.011	0.02	66.	69.	21.	81.	105.	48.040
28731	GTRW16	DISTIL	0.	-1.619	0.	0.893	0.28	-679.	-381.	-7.	134.	1012.	167.045
28731	GTR308	DISTIL	0.	-0.023	0.	0.008	0.01	65.	68.	20.	80.	105.	48.040
28731	GTR308	DISTIL	0.	-1.594	0.	0.563	0.20	-669.	-374.	-6.	29.	825.	147.039
28731	GTR312	DISTIL	0.	-0.019	0.	0.012	0.02	67.	70.	21.	81.	106.	48.040
28731	GTR312	DISTIL	0.	-1.151	0.	0.755	0.30	-492.	-249.	1.	126.	812.	139.046
28731	GTR316	DISTIL	0.	-0.019	0.	0.012	0.02	67.	70.	21.	81.	106.	48.040
28731	GTR316	DISTIL	0.	-1.127	0.	0.737	0.30	-483.	-242.	2.	122.	796.	137.046
28731	FCPADS	DISTIL	0.	-0.021	0.	0.010	0.02	72.	76.	21.	87.	113.	48.042
28731	FCPADS	DISTIL	0.	-2.530	0.	1.225	0.28	-395.	253.	32.	818.	2326.	279.085
28731	FCNCDS	DISTIL	0.	-0.018	0.	0.014	0.02	59.	77.	21.	74.	113.	48.040
28731	FCNCDS	DISTIL	0.	-1.675	0.	1.296	0.36	-1521.	250.	-3.	-560.	1893.	198.046
28741	STM141	RESIDU	0.	-0.013	0.	0.021	0.18	-4.	-5.	-1.	6.	13.	1.019
28741	STM141	RESIDU	0.	-0.022	0.	0.036	0.25	-8.	-9.	-1.	11.	22.	1.027
28741	STM141	COAL-F	0.	-0.013	0.	0.021	0.18	-4.	-25.	-1.	7.	-4.	5.008
28741	STM141	COAL-F	0.	-0.022	0.	0.036	0.25	-8.	-30.	-1.	12.	4.	6.017
28741	STM141	COAL-A	0.	-0.013	0.	0.021	0.18	17.	-25.	-1.	28.	-4.	5.027
28741	STM141	COAL-A	0.	-0.022	0.	0.036	0.25	15.	-30.	-1.	35.	4.	6.035
28741	STM088	RESIDU	0.	-0.013	0.	0.021	0.18	-4.	-5.	-1.	6.	13.	1.019
28741	STM088	RESIDU	0.	-0.017	0.	0.028	0.21	-6.	-7.	-1.	8.	17.	1.023
28741	STM088	COAL-F	0.	-0.013	0.	0.021	0.18	-4.	-25.	-1.	7.	-4.	5.008
28741	STM088	COAL-F	0.	-0.017	0.	0.028	0.21	-6.	-27.	-1.	9.	-0.	5.012

NEWELL PAGE PRINTING SYSTEM - PLATE-2

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 52

ISE PEO AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS***** - - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****					*****TOTAL*****					EMSR	SAVING	TOTAL EXPORT	CGST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MWH																		
28741	STM088	COAL-A	0.	-0.013	0.	0.021	0.18	17.	-25.	-1.	28.	-4.	5.	0.27	-5.	0.	80.	1
28741	STM088	COAL-A	0.	-0.017	0.	0.028	0.21	16.	-27.	-1.	31.	-0.	5.	0.31	-1.	1.	46.	1
28741	PFBSTM	COAL-P	0.	-0.013	0.	0.021	0.17	19.	-25.	1.	31.	-4.	6.	0.31	-8.	0.	108.	0
28741	PFBSTM	COAL-P	0.	-0.034	0.	0.054	0.31	21.	-37.	2.	50.	13.	11.	0.47	-3.	5.	48.	1
28741	TISTMT	RESIDU	0.	-0.013	0.	0.021	0.17	-5.	-5.	-1.	6.	13.	1.	0.19	-9.	0.	114.	-1
28741	TISTMT	RESIDU	0.	-0.044	0.	0.071	0.35	-16.	-18.	-2.	21.	44.	3.	0.37	-13.	8.	80.	-3
28741	TISTMT	COAL	0.	-0.013	0.	0.021	0.17	-5.	-25.	-1.	7.	-4.	5.	0.07	-17.	0.	178.	-1
28741	TISTMT	COAL	0.	-0.044	0.	0.071	0.35	-16.	-44.	-2.	22.	22.	8.	0.29	-28.	8.	97.	-2
28741	TIHRSG	RESIDU	0.	-0.018	0.	0.016	0.13	-6.	-7.	-1.	4.	11.	0.	0.15	-16.	0.	166.	-2
28741	TIHRSG	RESIDU	0.	-0.026	0.	0.023	0.17	-9.	-11.	-1.	6.	16.	1.	0.19	-20.	1.	144.	-3
28741	TIHRSG	COAL	0.	-0.018	0.	0.016	0.13	-6.	-28.	-1.	5.	-7.	5.	0.03	-25.	0.	233.	-2
28741	TIHRSG	COAL	0.	-0.026	0.	0.023	0.17	-9.	-33.	-1.	7.	-3.	5.	0.07	-28.	1.	183.	-2
28741	STIRL	DISTIL	0.	-0.019	0.	0.015	0.13	6.	5.	3.	17.	26.	8.	0.48	0.	0.	52.	-1
28741	STIRL	DISTIL	0.	-0.068	0.	0.054	0.26	-5.	-9.	2.	35.	60.	12.	0.57	4.	8.	39.	-2
28741	STIRL	RESIDU	0.	-0.019	0.	0.015	0.13	-7.	-7.	-2.	4.	10.	-1.	0.13	0.	0.	47.	-0
28741	STIRL	RESIDU	0.	-0.068	0.	0.054	0.26	-24.	-27.	-7.	15.	38.	-3.	0.26	4.	8.	35.	-0
28741	STIRL	COAL	0.	-0.019	0.	0.015	0.13	-7.	-28.	-1.	5.	-7.	4.	0.02	-7.	0.	101.	0
28741	STIRL	COAL	0.	-0.068	0.	0.054	0.26	-24.	-58.	-3.	16.	12.	7.	0.19	-3.	8.	45.	1
28741	HEGT85	COAL-A	0.	-0.028	0.	0.006	0.05	13.	-34.	-1.	25.	-13.	4.	0.15	-15.	0.	162.	-1
28741	HEGT85	COAL-A	0.	-0.442	0.	0.087	0.14	-66.	-282.	-22.	105.	10.	13.	0.23	-40.	46.	61.	-9
28741	HEGT60	COAL-A	0.	-0.027	0.	0.007	0.06	13.	-33.	-1.	24.	-12.	4.	0.15	-14.	0.	157.	-1
28741	HEGT60	COAL-A	0.	-0.155	0.	0.040	0.14	-14.	-110.	-8.	50.	-1.	7.	0.22	-24.	15.	73.	-3
28741	HEGT00	COAL-A	0.	-0.026	0.	0.008	0.07	12.	-33.	-1.	24.	-12.	4.	0.15	-13.	0.	148.	-1
28741	HEGT00	COAL-A	0.	-0.062	0.	0.019	0.11	3.	-55.	-3.	30.	-7.	5.	0.18	-14.	4.	86.	-1
28741	FCMCCL	COAL	0.	-0.016	0.	0.018	0.15	7.	-5.	1.	18.	16.	6.	0.38	-12.	0.	139.	-0
28741	FCMCCL	COAL	0.	-0.068	0.	0.078	0.34	30.	34.	4.	77.	116.	16.	1.00	-13.	11.	59.	-1
28741	FCSTCL	COAL	0.	-0.015	0.	0.019	0.16	4.	-10.	1.	16.	11.	6.	0.31	-12.	0.	136.	-0
28741	FCSTCL	COAL	0.	-0.106	0.	0.133	0.41	30.	34.	4.	108.	168.	21.	1.00	-12.	19.	49.	-1
28741	IGGTST	COAL	0.	-0.019	0.	0.015	0.13	-6.	-28.	1.	5.	-7.	6.	0.04	-12.	0.	140.	-0
28741	IGGTST	COAL	0.	-0.093	0.	0.076	0.30	-33.	-73.	3.	23.	22.	17.	0.26	-11.	13.	54.	-1
28741	GTSCAR	RESIDU	-0.018	0.	-0.018	0.034	0.13	-7.	-7.	-0.	4.	11.	2.	0.23	-0.	0.	48.	-0
28741	GTSCAR	RESIDU	-0.084	0.	-0.084	0.154	0.29	-33.	-32.	-1.	16.	52.	8.	0.42	8.	11.	31.	-0
28741	GTAC08	RESIDU	0.	-0.016	0.	0.018	0.15	-16.	-6.	-2.	5.	12.	-0.	0.06	1.	0.	41.	0
28741	GTAC08	RESIDU	0.	-0.056	0.	0.063	0.31	-55.	-22.	-7.	-17.	41.	-2.	0.12	7.	8.	26.	0
28741	GTAC12	RESIDU	0.	-0.016	0.	0.018	0.15	-14.	-6.	-2.	4.	12.	-0.	0.07	0.	0.	41.	0
28741	GTAC12	RESIDU	0.	-0.071	0.	0.078	0.33	-64.	-28.	-8.	-16.	51.	-2.	0.15	8.	11.	27.	0
28741	GTAC16	RESIDU	0.	-0.016	0.	0.017	0.15	-14.	-7.	-2.	3.	11.	-0.	0.07	0.	0.	42.	0
28741	GTAC16	RESIDU	0.	-0.082	0.	0.087	0.34	-71.	-33.	-9.	-17.	57.	-2.	0.17	9.	13.	28.	0
28741	GTWC16	RESIDU	0.	-0.018	0.	0.016	0.13	-15.	-7.	-2.	4.	11.	-1.	0.06	0.	0.	46.	0
28741	GTWC16	RESIDU	0.	-0.094	0.	0.083	0.32	-78.	-38.	-9.	-22.	56.	-3.	0.13	9.	13.	29.	-0
28741	CC1626	RESIDU	0.	-0.018	0.	0.016	0.13	-13.	-7.	-2.	2.	11.	-0.	0.07	-0.	0.	49.	-0
28741	CC1626	RESIDU	0.	-0.160	0.	0.140	0.36	-117.	-64.	-14.	-22.	95.	-3.	0.20	16.	25.	29.	-1
28741	CC1622	RESIDU	0.	-0.017	0.	0.016	0.14	-13.	-7.	-2.	2.	11.	-0.	0.08	0.	0.	46.	-0
28741	CC1622	RESIDU	0.	-0.138	0.	0.132	0.37	-104.	-55.	-13.	-18.	88.	-2.	0.21	15.	22.	29.	-0
28741	CC1222	RESIDU	0.	-0.017	0.	0.017	0.14	-13.	-7.	-2.	2.	11.	-0.	0.08	0.	0.	45.	0
28741	CC1222	RESIDU	0.	-0.136	0.	0.133	0.37	-103.	-54.	-13.	-18.	89.	-2.	0.21	15.	22.	28.	-0

KEYTELL PAGE PRINTING SYSTEM - 2111-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 53

ISE PEG AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING S***** - - EMISSIONS SAVING S - - -												CAPITL--ELECTRIC POWER---											
		*****DIRECT*****				-----TOTAL-----				-----FESR-----				-----DIRECT-----				*****TOTAL*****				EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART										
																		MWH							
28741	CC0822	RESIDU	0.	-0.016	0.	0.018	0.15	-13.	-6.	-2.	-2.	12.	-0.	0.09	0.	0.	45.	0.							
28741	CC0822	RESIDU	0.	-0.102	0.	0.114	0.38	-82.	-41.	-10.	-14.	74.	-1.	0.22	12.	17.	27.	0.							
28741	STIG15	RESIDU	0.	-0.028	0.	0.006	0.05	-17.	-11.	-1.	-6.	6.	0.	0.00	-0.	0.	58.	-0.							
28741	STIG15	RESIDU	0.	-5.505	0.	1.151	0.17	-3325.	-2202.	-163.	-1224.	1273.	10.	0.01	429.	621.	37.	-89.							
28741	STIG10	RESIDU	0.	-0.025	0.	0.008	0.07	-16.	-10.	-1.	-6.	8.	0.	0.02	0.	0.	53.	-0.							
28741	STIG10	RESIDU	0.	-0.463	0.	0.153	0.22	-299.	-185.	-12.	-105.	138.	6.	0.06	38.	55.	25.	-6.							
28741	STIG15	RESIDU	0.	-0.024	0.	0.010	0.08	-17.	-10.	-1.	-6.	8.	0.	0.02	0.	0.	52.	-0.							
28741	STIG15	RESIDU	0.	-0.259	0.	0.102	0.23	-177.	-104.	-6.	-63.	86.	5.	0.07	22.	31.	35.	-3.							
28741	DEADV3	RESIDU	0.	-0.022	0.	0.012	0.10	-25.	-9.	-2.	-14.	9.	-1.	-0.06	-2.	0.	66.	-0.							
28741	DEADV3	RESIDU	0.	-0.260	0.	0.141	0.29	-298.	-104.	-22.	-171.	107.	-9.	-0.16	9.	34.	41.	-4.							
28741	DEHTPM	RESIDU	0.	-0.016	0.	0.018	0.15	-25.	-6.	-2.	-14.	12.	-0.	-0.03	-2.	0.	61.	-0.							
28741	DEHTPM	RESIDU	0.	-0.084	0.	0.092	0.35	-131.	-34.	-9.	-75.	60.	-2.	-0.07	4.	13.	36.	-1.							
28741	DESOA3	DISTIL	-0.024	0.	-0.024	0.034	0.08	-49.	14.	1.	-39.	30.	-2.	-0.15	-1.	0.	66.	-1.							
28741	DESOA3	DISTIL	-0.326	0.	-0.326	0.465	0.25	-773.	-35.	1.	-627.	207.	12.	-0.86	2.	40.	53.	-10.							
28741	DESOA3	RESIDU	-0.024	0.	-0.024	0.034	0.08	-120.	-9.	-0.	-109.	10.	2.	-1.33	-1.	0.	61.	-0.							
28741	DESOA3	RESIDU	-0.326	0.	-0.326	0.465	0.25	-1659.	-123.	-3.	-1509.	131.	25.	-2.86	2.	40.	48.	-7.							
28741	GTSOAB	DISTIL	-0.017	0.	-0.017	0.034	0.14	-7.	-3.	0.	4.	15.	1.	0.38	1.	0.	44.	-1.							
28741	GTSOAB	DISTIL	-0.072	0.	-0.072	0.144	0.31	-29.	-12.	0.	16.	65.	6.	0.56	9.	10.	30.	-1.							
28741	GTRA08	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	53.	-1.							
28741	GTRA08	DISTIL	0.	-0.127	0.	0.110	0.34	-55.	-26.	1.	22.	107.	18.	0.50	12.	19.	34.	-2.							
28741	GTRA12	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	13.	26.	8.	0.44	-0.	0.	52.	-1.							
28741	GTRA12	DISTIL	0.	-0.122	0.	0.110	0.35	-53.	-24.	1.	22.	105.	18.	0.50	11.	19.	34.	-2.							
28741	GTRA16	DISTIL	0.	-0.018	0.	0.016	0.14	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	53.	-1.							
28741	GTRA16	DISTIL	0.	-0.113	0.	0.103	0.34	-49.	-22.	1.	21.	99.	17.	0.50	10.	17.	35.	-2.							
28741	GTR208	DISTIL	0.	-0.018	0.	0.016	0.13	0.	5.	3.	12.	26.	8.	0.43	0.	0.	50.	-1.							
28741	GTR208	DISTIL	0.	-0.094	0.	0.086	0.32	-42.	-16.	1.	17.	84.	15.	0.48	9.	14.	33.	-2.							
28741	GTR212	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	12.	26.	8.	0.43	-0.	0.	51.	-1.							
28741	GTR212	DISTIL	0.	-0.101	0.	0.091	0.33	-45.	-18.	1.	18.	89.	16.	0.49	10.	15.	34.	-2.							
28741	GTR216	DISTIL	0.	-0.017	0.	0.016	0.14	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	51.	-1.							
28741	GTR216	DISTIL	0.	-0.102	0.	0.095	0.34	-45.	-18.	1.	19.	92.	16.	0.49	9.	15.	34.	-2.							
28741	GTRW08	DISTIL	0.	-0.021	0.	0.013	0.11	0.	4.	2.	12.	25.	8.	0.42	-0.	0.	56.	-1.							
28741	GTRW08	DISTIL	0.	-0.173	0.	0.111	0.30	-73.	-39.	-0.	18.	119.	20.	0.47	15.	23.	37.	-3.							
28741	GTRW12	DISTIL	0.	-0.020	0.	0.014	0.12	1.	5.	2.	12.	26.	8.	0.43	-0.	0.	55.	-1.							
28741	GTRW12	DISTIL	0.	-0.168	0.	0.120	0.32	-71.	-37.	-0.	22.	123.	20.	0.48	15.	24.	36.	-3.							
28741	GTRW16	DISTIL	0.	-0.019	0.	0.014	0.12	1.	5.	2.	12.	26.	8.	0.43	-0.	0.	56.	-1.							
28741	GTRW16	DISTIL	0.	-0.154	0.	0.113	0.32	-66.	-33.	0.	21.	116.	19.	0.48	13.	22.	36.	-3.							
28741	GTR308	DISTIL	0.	-0.021	0.	0.012	0.10	-1.	4.	2.	11.	25.	8.	0.41	0.	0.	55.	-1.							
28741	GTR308	DISTIL	0.	-0.138	0.	0.079	0.26	-59.	-29.	0.	11.	92.	17.	0.43	11.	17.	38.	-3.							
28741	GTR312	DISTIL	0.	-0.019	0.	0.015	0.12	0.	5.	2.	12.	26.	8.	0.43	-0.	0.	53.	-1.							
28741	GTR312	DISTIL	0.	-0.133	0.	0.101	0.32	-57.	-27.	1.	18.	103.	18.	0.48	12.	19.	35.	-2.							
28741	GTR316	DISTIL	0.	-0.019	0.	0.014	0.12	0.	5.	2.	12.	26.	8.	0.43	-0.	0.	54.	-1.							
28741	GTR316	DISTIL	0.	-0.131	0.	0.098	0.31	-57.	-27.	1.	18.	101.	18.	0.47	12.	18.	36.	-2.							
28741	FCPADS	DISTIL	0.	-0.023	0.	0.011	0.09	6.	12.	3.	18.	33.	8.	0.55	-0.	0.	67.	-1.							
28741	FCPADS	DISTIL	0.	-0.342	0.	0.166	0.28	-53.	34.	4.	111.	314.	38.	0.85	15.	44.	56.	-14.							
28741	FCMCDS	DISTIL	0.	-0.019	0.	0.015	0.12	-8.	12.	3.	4.	33.	8.	0.42	-0.	0.	62.	-1.							
28741	FCMCDS	DISTIL	0.	-0.226	0.	0.175	0.36	-206.	34.	-0.	-76.	256.	27.	0.46	11.	35.	51.	-9.							

NEWELL PAGE PRINTING SYSTEM- 81108-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 54

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		ECS *****DIRECT*****		-----TOTAL-----		FESR -----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST					
		FUEL	GIL+GAS	COAL	GIL+GAS	COAL	NOX	SOX	PART					NOX	SOX	PART	EXPORT	LAEC
																MMH	SAVED	
28951	STM141	RESIDU	0.	-0.005	0.	0.008	0.15	-2.	-2.	-0.	2.	5.	0.	0.15	0.	0.	54.	0.
28951	STM141	COAL-F	0.	-0.005	0.	0.008	0.15	-2.	-6.	-0.	2.	1.	1.	0.09	-2.	0.	60.	0.
28951	STM141	COAL-A	0.	-0.005	0.	0.008	0.15	3.	-6.	-0.	7.	1.	1.	0.20	-1.	0.	55.	0.
28951	STM088	RESIDU	0.	-0.004	0.	0.006	0.11	-1.	-1.	-0.	2.	4.	0.	0.12	0.	0.	55.	0.
28951	STM088	COAL-F	0.	-0.004	0.	0.006	0.11	-1.	-6.	-0.	2.	-0.	1.	0.06	-2.	0.	60.	0.
28951	STM088	COAL-A	0.	-0.004	0.	0.006	0.11	4.	-6.	-0.	7.	-0.	1.	0.16	-1.	0.	56.	0.
28951	PFBSTM	COAL-P	0.	-0.007	0.	0.012	0.22	5.	-8.	1.	11.	3.	2.	0.33	-3.	0.	64.	0.
28951	TISTMT	RESIDU	0.	-0.010	0.	0.015	0.29	-3.	-4.	-0.	5.	9.	1.	0.31	-7.	0.	100.	-1.
28951	TISTMT	COAL	0.	-0.010	0.	0.015	0.29	-3.	-9.	-0.	5.	5.	2.	0.23	-10.	0.	118.	-1.
28951	TIHRSG	RESIDU	0.	-0.005	0.	0.005	0.10	-2.	-2.	-0.	2.	3.	0.	0.11	-7.	0.	104.	-1.
28951	TIHRSG	COAL	0.	-0.005	0.	0.005	0.10	-2.	-7.	-0.	2.	-1.	1.	0.05	-9.	0.	114.	-1.
28951	STIRL	DISTIL	0.	-0.016	0.	0.013	0.25	-1.	-2.	0.	8.	14.	3.	0.52	1.	0.	41.	-0.
28951	STIRL	RESIDU	0.	-0.016	0.	0.013	0.25	-5.	-6.	-2.	4.	9.	-1.	0.25	1.	0.	36.	0.
28951	STIRL	COAL	0.	-0.016	0.	0.013	0.25	-5.	-13.	-1.	4.	3.	2.	0.18	-1.	0.	48.	0.
28951	HEGT85	COAL-A	0.	-0.025	0.	0.009	0.16	-1.	-19.	-1.	10.	0.	1.	0.25	-11.	0.	128.	-1.
28951	HEGT85	COAL-A	0.	-0.055	0.	0.019	0.20	-7.	-37.	-3.	17.	4.	2.	0.28	-15.	4.	91.	-2.
28951	HEGT60	COAL-A	0.	-0.025	0.	0.009	0.17	-1.	-18.	-1.	10.	1.	2.	0.25	-9.	0.	115.	-1.
28951	HEGT60	COAL-A	0.	-0.027	0.	0.010	0.18	-2.	-20.	-1.	10.	1.	2.	0.25	-9.	0.	105.	-1.
28951	HEGT00	COAL-A	0.	-0.013	0.	0.005	0.09	1.	-11.	-1.	7.	-1.	1.	0.13	-6.	0.	85.	-0.
28951	FCMCCL	COAL	0.	-0.015	0.	0.017	0.32	6.	7.	1.	17.	25.	3.	0.96	-6.	0.	83.	-0.
28951	FCSTCL	COAL	0.	-0.015	0.	0.019	0.36	4.	4.	1.	15.	23.	3.	0.86	-7.	0.	94.	-1.
28951	FCSTCL	COAL	0.	-0.023	0.	0.029	0.41	6.	7.	1.	23.	36.	5.	1.00	-7.	2.	71.	-0.
28951	IGGTST	COAL	0.	-0.019	0.	0.015	0.29	-7.	-15.	1.	4.	4.	3.	0.25	-7.	0.	95.	-1.
28951	IGGTST	COAL	0.	-0.020	0.	0.016	0.30	-7.	-16.	1.	5.	5.	4.	0.26	-6.	0.	86.	-0.
28951	GTSCAR	RESIDU	-0.017	0.	-0.017	0.032	0.29	-7.	-6.	-0.	4.	11.	2.	0.41	1.	0.	37.	0.
28951	GTAC08	RESIDU	0.	-0.012	0.	0.014	0.26	-12.	-5.	-1.	-4.	9.	-0.	0.10	1.	0.	36.	0.
28951	GTAC12	RESIDU	0.	-0.015	0.	0.017	0.33	-14.	-6.	-2.	-4.	11.	-0.	0.15	1.	0.	31.	0.
28951	GTAC16	RESIDU	0.	-0.016	0.	0.018	0.34	-14.	-6.	-2.	-3.	12.	-0.	0.17	1.	0.	34.	0.
28951	GTAC16	RESIDU	0.	-0.017	0.	0.019	0.35	-15.	-7.	-2.	-3.	12.	-0.	0.17	1.	0.	31.	0.
28951	GTWC16	RESIDU	0.	-0.018	0.	0.016	0.30	-15.	-7.	-2.	-4.	11.	-1.	0.13	1.	0.	39.	0.
28951	GTWC16	RESIDU	0.	-0.021	0.	0.018	0.31	-17.	-8.	-2.	-5.	12.	-1.	0.13	1.	0.	35.	0.
28951	CC1626	RESIDU	0.	-0.018	0.	0.016	0.30	-13.	-7.	-2.	-3.	11.	-0.	0.16	0.	0.	46.	-0.
28951	CC1626	RESIDU	0.	-0.034	0.	0.030	0.36	-25.	-14.	-3.	-5.	20.	-1.	0.20	2.	3.	36.	-0.
28951	CC1622	RESIDU	0.	-0.017	0.	0.016	0.32	-13.	-7.	-2.	-2.	11.	-0.	0.18	1.	0.	43.	0.
28951	CC1622	RESIDU	0.	-0.030	0.	0.028	0.37	-22.	-12.	-3.	-4.	19.	-1.	0.21	2.	2.	34.	0.
28951	CC1222	RESIDU	0.	-0.017	0.	0.017	0.32	-13.	-7.	-2.	-2.	11.	-0.	0.18	1.	0.	41.	0.
28951	CC1222	RESIDU	0.	-0.029	0.	0.029	0.37	-22.	-12.	-3.	-4.	19.	-0.	0.21	2.	2.	33.	0.
28951	CC0822	RESIDU	0.	-0.016	0.	0.018	0.34	-13.	-6.	-2.	-2.	12.	-0.	0.19	1.	0.	40.	0.
28951	CC0822	RESIDU	0.	-0.022	0.	0.025	0.38	-18.	-9.	-2.	-3.	16.	-0.	0.21	2.	1.	33.	0.
28951	STIG15	RESIDU	0.	-0.028	0.	0.006	0.11	-17.	-11.	-1.	-8.	6.	0.	0.01	0.	0.	57.	-0.
28951	STIG15	RESIDU	0.	-1.197	0.	0.250	0.17	-723.	-479.	-36.	-266.	277.	2.	0.01	88.	133.	39.	-20.
28951	STIG10	RESIDU	0.	-0.025	0.	0.008	0.16	-16.	-10.	-1.	-6.	8.	0.	0.04	0.	0.	51.	-0.
28951	STIG10	RESIDU	0.	-0.101	0.	0.033	0.22	-65.	-40.	-3.	-23.	30.	1.	0.06	6.	9.	40.	-1.
28951	STIG15	RESIDU	0.	-0.024	0.	0.010	0.18	-17.	-10.	-1.	-6.	8.	0.	0.06	1.	0.	49.	-0.
28951	STIG15	RESIDU	0.	-0.056	0.	0.022	0.23	-38.	-23.	-1.	-14.	19.	1.	0.07	3.	4.	39.	-0.
28951	DEADV3	RESIDU	0.	-0.021	0.	0.013	0.24	-25.	-8.	-2.	-14.	9.	-1.	-0.11	-1.	0.	58.	-0.

NEWELL PAGE PRINTING SYSTEM - P118E-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 55

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PRGCS	ECS	*****FUEL SAVING S***** - - EMISSIONS SAVING S - - -												CAPITL--ELECTRIC POWER---						
		ECS ****DIRECT*****			TOTAL			FESR			DIRECT			*****TOTAL*****			EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART								
MWH																				
28951	DEADV3	RESIDU	0.	-0.049	0.	0.029	0.30	-58.	-20.	-4.	-33.	22.	-2.	-0.14	1.	4.	44.	-1.		
28951	DEHTPM	RESIDU	0.	-0.015	0.	0.019	0.36	-24.	-6.	-2.	-13.	12.	-0.	-9.03	-1.	0.	49.	0.		
28951	DEHTPM	RESIDU	0.	-0.018	0.	0.022	0.38	-23.	-7.	-2.	-15.	14.	-0.	-0.03	-0.	1.	43.	0.		
28951	DESOA3	DISTIL	-0.023	0.	-0.023	0.034	0.21	-55.	0.	0.	-44.	17.	0.	-0.66	-0.	0.	59.	-1.		
28951	DESOA3	DISTIL	-0.061	0.	-0.061	0.089	0.27	-148.	-6.	0.	-120.	41.	2.	-0.84	1.	5.	52.	-2.		
28951	DESOA3	RESIDU	-0.023	0.	-0.023	0.034	0.21	-120.	-9.	-0.	-109.	10.	2.	-2.42	-0.	0.	54.	-0.		
28951	DESOA3	RESIDU	-0.061	0.	-0.061	0.089	0.27	-318.	-23.	-0.	-290.	26.	5.	-2.81	1.	5.	47.	-1.		
28951	GTSOAB	DISTIL	-0.015	0.	-0.015	0.031	0.30	-6.	-2.	0.	4.	14.	1.	0.51	2.	0.	36.	0.		
28951	GTRA08	DISTIL	0.	-0.017	0.	0.016	0.31	-7.	-3.	0.	4.	16.	3.	0.49	0.	0.	47.	-0.		
28951	GTRA08	DISTIL	0.	-0.025	0.	0.024	0.35	-11.	-5.	0.	5.	22.	4.	0.50	1.	1.	39.	-0.		
28951	GTRA12	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.50	0.	0.	46.	-0.		
28951	GTRA12	DISTIL	0.	-0.024	0.	0.024	0.36	-11.	-5.	0.	5.	22.	4.	0.51	1.	1.	39.	-0.		
28951	GTRA16	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.49	0.	0.	47.	-0.		
28951	GTRA16	DISTIL	0.	-0.023	0.	0.022	0.35	-10.	-4.	0.	5.	21.	4.	0.50	1.	1.	40.	-0.		
28951	GTR208	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.48	1.	0.	42.	-0.		
28951	GTR208	DISTIL	0.	-0.019	0.	0.019	0.33	-9.	-3.	0.	4.	18.	3.	0.49	1.	0.	38.	-0.		
28951	GTR212	DISTIL	0.	-0.017	0.	0.016	0.31	-7.	-3.	0.	4.	16.	3.	0.49	1.	0.	44.	-0.		
28951	GTR212	DISTIL	0.	-0.021	0.	0.020	0.33	-9.	-4.	0.	4.	19.	3.	0.49	1.	1.	39.	-0.		
28951	GTR216	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.49	1.	0.	44.	-0.		
28951	GTR216	DISTIL	0.	-0.021	0.	0.021	0.34	-9.	-4.	0.	4.	20.	3.	0.50	1.	1.	39.	-0.		
28951	GTRW08	DISTIL	0.	-0.020	0.	0.014	0.26	-8.	-3.	0.	3.	16.	3.	0.46	0.	0.	52.	-0.		
28951	GTRW08	DISTIL	0.	-0.035	0.	0.024	0.31	-15.	-8.	0.	4.	25.	4.	0.47	2.	2.	43.	-0.		
28951	GTRW12	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	51.	-0.		
28951	GTRW12	DISTIL	0.	-0.034	0.	0.026	0.33	-15.	-7.	0.	5.	26.	4.	0.49	2.	2.	42.	-0.		
28951	GTRW16	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	51.	-0.		
28951	GTRW16	DISTIL	0.	-0.032	0.	0.024	0.33	-14.	-7.	0.	5.	25.	4.	0.49	1.	2.	43.	-0.		
28951	GTR308	DISTIL	0.	-0.021	0.	0.013	0.25	-8.	-4.	0.	3.	15.	3.	0.44	1.	0.	49.	-0.		
28951	GTR308	DISTIL	0.	-0.027	0.	0.017	0.27	-12.	-5.	0.	3.	19.	4.	0.44	1.	1.	43.	-0.		
28951	GTR312	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	48.	-0.		
28951	GTR312	DISTIL	0.	-0.028	0.	0.022	0.32	-12.	-6.	0.	4.	22.	4.	0.48	2.	1.	40.	-0.		
28951	GTR316	DISTIL	0.	-0.019	0.	0.015	0.28	-8.	-3.	0.	3.	16.	3.	0.47	0.	0.	49.	-0.		
28951	GTR316	DISTIL	0.	-0.028	0.	0.021	0.32	-12.	-6.	0.	4.	22.	4.	0.48	1.	1.	42.	-0.		
28951	FCPADS	DISTIL	0.	-0.023	0.	0.011	0.21	-2.	4.	1.	9.	23.	3.	0.74	1.	0.	61.	-1.		
28951	FCPADS	DISTIL	0.	-0.074	0.	0.036	0.28	-12.	7.	1.	24.	68.	8.	0.85	3.	7.	56.	-3.		
28951	FCMCDS	DISTIL	0.	-0.019	0.	0.015	0.28	-16.	4.	0.	-5.	23.	3.	0.45	0.	0.	56.	-1.		
28951	FCMCDS	DISTIL	0.	-0.049	0.	0.038	0.36	-45.	7.	-0.	-16.	56.	6.	0.46	2.	5.	51.	-2.		
28	FCMCDS	DISTIL	-24.694	*****	-24.694	277.749	47.01	*****	-6991.	-7515.	242822.	36607.	0.31	23697.	49098.	83960.	-5366.			
29111	STM141	RESIDU	0.	-0.049	0.	0.082	0.16	-17.	-20.	-2.	24.	50.	3.	0.17	10.	0.	18.	2.		
29111	STM141	RESIDU	0.	-0.062	0.	0.102	0.19	-22.	-25.	-3.	31.	63.	4.	0.20	12.	3.	17.	3.		
29111	STM141	COAL-F	0.	-0.049	0.	0.082	0.16	-17.	-107.	-2.	28.	-24.	21.	0.05	-8.	0.	53.	6.		
29111	STM141	COAL-F	0.	-0.062	0.	0.102	0.19	-22.	-114.	-3.	34.	-13.	22.	0.09	-2.	3.	37.	7.		
29111	STM141	COAL-A	0.	-0.049	0.	0.082	0.16	76.	-107.	-2.	121.	-24.	21.	0.26	-1.	0.	40.	7.		
29111	STM141	COAL-A	0.	-0.062	0.	0.102	0.19	75.	-114.	-3.	130.	-13.	22.	0.28	7.	3.	24.	8.		
29111	STM088	RESIDU	0.	-0.041	0.	0.068	0.13	-14.	-16.	-2.	20.	42.	3.	0.14	9.	0.	22.	2.		
29111	STM088	COAL-F	0.	-0.041	0.	0.068	0.13	-14.	-102.	-2.	24.	-31.	20.	0.03	-4.	0.	45.	6.		
29111	STM088	COAL-A	0.	-0.041	0.	0.068	0.13	78.	-102.	-2.	116.	-31.	20.	0.23	3.	0.	31.	7.		

NEWELL PAGE PRINTING SYSTEM - PL100-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 56

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****										*****EMISSIONS SAVINGS*****										CAPITL--ELECTRIC POWER---				
		*****DIRECT*****					-----TOTAL-----					-----DIRECT-----					*****TOTAL*****					EMSR	SAVING	TOTAL EXPORT	COST LAEC	SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART								
																		MWH								
29111	PFBSTM	COAL-P	0.	-0.052	0.	0.079	0.15	90.	-108.	5.	135.	-25.	28.	0.30	-11.	0.	61.	5								
29111	PFBSTM	COAL-P	0.	-0.116	0.	0.177	0.26	98.	-147.	12.	195.	25.	45.	0.43	3.	15.	33.	7								
29111	TISTMT	RESIDU	0.	-0.051	0.	0.080	0.15	-18.	-20.	-3.	24.	50.	3.	0.17	-19.	0.	75.	-2								
29111	TISTMT	RESIDU	0.	-0.156	0.	0.246	0.31	-55.	-62.	-8.	74.	153.	10.	0.33	-41.	25.	61.	-5								
29111	TISTMT	COAL	0.	-0.051	0.	0.080	0.15	-18.	-108.	-3.	27.	-25.	21.	0.05	-41.	0.	115.	2								
29111	TISTMT	COAL	0.	-0.156	0.	0.246	0.31	-55.	-171.	-8.	78.	61.	31.	0.24	-65.	25.	72.	-1								
29111	TIHRSG	RESIDU	0.	-0.085	0.	0.045	0.09	-30.	-34.	-4.	12.	35.	0.	0.10	-34.	0.	111.	-4								
29111	TIHRSG	RESIDU	0.	-0.156	0.	0.083	0.13	-54.	-62.	-8.	21.	63.	0.	0.15	-51.	10.	98.	-8								
29111	TIHRSG	COAL	0.	-0.085	0.	0.045	0.09	-30.	-129.	-4.	15.	-45.	19.	-0.02	-57.	0.	152.	-1								
29111	TIHRSG	COAL	0.	-0.156	0.	0.083	0.13	-54.	-171.	-8.	25.	-29.	22.	0.03	-75.	10.	116.	-4								
29111	STIRL	DISTIL	0.	-0.076	0.	0.055	0.11	29.	24.	11.	74.	108.	35.	0.47	3.	0.	43.	-3								
29111	STIRL	DISTIL	0.	-0.265	0.	0.192	0.23	-15.	-29.	8.	135.	233.	51.	0.55	14.	31.	39.	-7								
29111	STIRL	RESIDU	0.	-0.076	0.	0.055	0.11	-27.	-30.	-9.	15.	39.	-4.	0.11	3.	0.	38.	1								
29111	STIRL	RESIDU	0.	-0.265	0.	0.192	0.23	-93.	-106.	-31.	52.	136.	-14.	0.23	14.	31.	34.	-1								
29111	STIRL	COAL	0.	-0.076	0.	0.055	0.11	-27.	-123.	-4.	18.	-40.	19.	-0.00	-16.	0.	72.	4								
29111	STIRL	COAL	0.	-0.265	0.	0.192	0.23	-93.	-236.	-13.	57.	25.	29.	0.15	-16.	31.	44.	4								
29111	HEGT60	COAL-A	0.	-0.128	0.	0.002	0.00	58.	-154.	-6.	103.	-71.	17.	0.11	-27.	0.	101.	2								
29111	HEGT60	COAL-A	0.	-1.492	0.	0.028	0.01	-206.	-973.	-75.	286.	-129.	31.	0.11	-38.	130.	49.	-16								
29111	HEGT00	COAL-A	0.	-0.107	0.	0.024	0.05	58.	-142.	-5.	103.	-59.	18.	0.13	-25.	0.	93.	3								
29111	HEGT00	COAL-A	0.	-0.318	0.	0.070	0.09	7.	-268.	-16.	135.	-44.	23.	0.16	-25.	24.	57.	1								
29111	FCMCCL	COAL	0.	-0.061	0.	0.069	0.13	27.	-32.	3.	72.	51.	27.	0.33	-23.	0.	85.	3								
29111	FCMCCL	COAL	0.	-0.311	0.	0.352	0.34	135.	154.	18.	351.	528.	72.	1.00	-13.	50.	40.	4								
29111	FCSTCL	COAL	0.	-0.059	0.	0.072	0.14	19.	-45.	2.	64.	39.	26.	0.28	-22.	0.	83.	4								
29111	FCSTCL	COAL	0.	-0.415	0.	0.510	0.39	135.	154.	17.	435.	672.	88.	1.00	-4.	74.	35.	5								
29111	IGGTST	COAL	0.	-0.075	0.	0.056	0.11	-26.	-122.	3.	19.	-39.	26.	0.01	-21.	0.	82.	4								
29111	IGGTST	COAL	0.	-0.360	0.	0.270	0.27	-126.	-293.	16.	80.	63.	68.	0.23	-7.	47.	37.	5								
29111	GTSQAR	RESIDU	-0.078	0.	-0.078	0.131	0.10	-29.	-29.	-1.	13.	42.	7.	0.20	3.	0.	38.	1								
29111	GTSQAR	RESIDU	-0.457	0.	-0.457	0.764	0.27	-168.	-172.	-4.	78.	246.	42.	0.41	45.	59.	28.	-1								
29111	GTAC08	RESIDU	0.	-0.061	0.	0.070	0.14	-60.	-24.	-7.	18.	45.	-2.	0.05	7.	0.	25.	2								
29111	GTAC08	RESIDU	0.	-0.250	0.	0.287	0.31	-247.	-100.	-29.	76.	186.	-8.	0.12	36.	38.	21.	3								
29111	GTAC12	RESIDU	0.	-0.062	0.	0.068	0.13	-53.	-25.	-7.	15.	45.	-2.	0.06	4.	0.	32.	1								
29111	GTAC12	RESIDU	0.	-0.323	0.	0.353	0.33	-290.	-129.	-35.	75.	231.	-8.	0.15	44.	51.	22.	3								
29111	GTAC16	RESIDU	0.	-0.065	0.	0.066	0.13	-55.	-26.	-7.	14.	43.	-2.	0.06	4.	0.	33.	1								
29111	GTAC16	RESIDU	0.	-0.392	0.	0.394	0.34	-332.	-157.	-40.	82.	261.	-9.	0.16	48.	61.	23.	2								
29111	GTWC16	RESIDU	0.	-0.069	0.	0.061	0.12	-58.	-28.	-7.	16.	42.	-2.	0.05	4.	0.	35.	1								
29111	GTWC16	RESIDU	0.	-0.424	0.	0.374	0.32	-351.	-169.	-43.	97.	254.	-12.	0.13	51.	63.	24.	1								
29111	CC1626	RESIDU	0.	-0.071	0.	0.060	0.12	-53.	-28.	-7.	12.	41.	-2.	0.06	3.	0.	36.	1								
29111	CC1626	RESIDU	0.	-0.637	0.	0.536	0.34	-479.	-255.	-59.	106.	367.	-15.	0.17	73.	98.	25.	0								
29111	CC1622	RESIDU	0.	-0.068	0.	0.063	0.12	-53.	-27.	-6.	11.	42.	-1.	0.06	4.	0.	35.	1								
29111	CC1622	RESIDU	0.	-0.548	0.	0.505	0.35	-425.	-219.	-52.	91.	340.	-12.	0.18	64.	86.	25.	1								
29111	CC1222	RESIDU	0.	-0.067	0.	0.063	0.12	-53.	-27.	-6.	11.	43.	-1.	0.07	4.	0.	34.	1								
29111	CC1222	RESIDU	0.	-0.539	0.	0.507	0.35	-420.	-216.	-51.	88.	340.	-11.	0.18	66.	86.	24.	1								
29111	CC0822	RESIDU	0.	-0.063	0.	0.068	0.13	-53.	-25.	-6.	11.	45.	-1.	0.07	4.	0.	33.	1								
29111	CC0822	RESIDU	0.	-0.396	0.	0.428	0.35	-334.	-158.	-41.	72.	280.	-8.	0.18	53.	65.	22.	3								
29111	DEHTPM	RESIDU	0.	-0.073	0.	0.057	0.11	-115.	-29.	-8.	73.	40.	-3.	-0.08	-3.	0.	48.	-0								
29111	DEHTPM	RESIDU	0.	-0.378	0.	0.295	0.28	-591.	-151.	-39.	377.	205.	-14.	-0.19	6.	51.	39.	-4								

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GENERAL ELECTRIC COMPANY

PAGE 57

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

U

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING***** - - EMISSIONS SAVING - - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
																MWH		
29111	GTSOAO	DISTIL	-0.067	0.	-0.067	0.131	0.12	-27.	-11.	0.	15.	59.	5.	0.35	5.	0.	36.	-2
29111	GTSOAO	DISTIL	-0.337	0.	-0.337	0.660	0.31	-135.	-55.	0.	75.	296.	26.	0.55	45.	50.	26.	-4
29111	GTRA08	DISTIL	0.	-0.078	0.	0.053	0.10	9.	24.	11.	53.	107.	35.	0.42	3.	0.	43.	-3
29111	GTRA08	DISTIL	0.	-0.766	0.	0.520	0.31	-326.	-170.	-0.	91.	545.	91.	0.47	70.	108.	33.	-13
29111	GTRA12	DISTIL	0.	-0.075	0.	0.056	0.11	9.	25.	11.	54.	108.	35.	0.43	3.	0.	43.	-3
29111	GTRA12	DISTIL	0.	-0.696	0.	0.515	0.32	-298.	-150.	1.	95.	524.	88.	0.48	69.	101.	32.	-11
29111	GTRA16	DISTIL	0.	-0.074	0.	0.057	0.11	9.	25.	11.	54.	108.	35.	0.43	2.	0.	43.	-3
29111	GTRA16	DISTIL	0.	-0.622	0.	0.478	0.32	-268.	-129.	2.	89.	484.	83.	0.48	60.	91.	32.	-10
29111	GTR208	DISTIL	0.	-0.073	0.	0.058	0.11	7.	25.	12.	52.	108.	35.	0.42	3.	0.	41.	-3
29111	GTR208	DISTIL	0.	-0.489	0.	0.386	0.31	-215.	-92.	4.	70.	395.	72.	0.47	52.	70.	30.	-7
29111	GTR212	DISTIL	0.	-0.073	0.	0.058	0.11	8.	25.	12.	53.	108.	35.	0.43	3.	0.	41.	-3
29111	GTR212	DISTIL	0.	-0.525	0.	0.415	0.31	-229.	-102.	4.	76.	424.	75.	0.47	55.	76.	31.	-8
29111	GTR216	DISTIL	0.	-0.072	0.	0.059	0.11	9.	26.	12.	54.	109.	35.	0.43	3.	0.	41.	-3
29111	GTR216	DISTIL	0.	-0.533	0.	0.435	0.32	-233.	-104.	4.	82.	437.	76.	0.48	54.	79.	31.	-8
29111	GTRW08	DISTIL	0.	-0.086	0.	0.045	0.09	6.	22.	11.	51.	105.	34.	0.41	3.	0.	46.	-4
29111	GTRW08	DISTIL	0.	-0.984	0.	0.519	0.27	-413.	-231.	-4.	74.	602.	100.	0.45	85.	129.	35.	-18
29111	GTRW12	DISTIL	0.	-0.081	0.	0.050	0.10	8.	23.	11.	53.	106.	35.	0.42	3.	0.	44.	-3
29111	GTRW12	DISTIL	0.	-0.913	0.	0.565	0.30	-385.	-211.	-3.	94.	609.	100.	0.47	91.	126.	33.	-15
29111	GTRW16	DISTIL	0.	-0.079	0.	0.052	0.10	8.	24.	11.	53.	107.	35.	0.42	2.	0.	45.	-3
29111	GTRW16	DISTIL	0.	-0.805	0.	0.524	0.31	-341.	-181.	-1.	89.	558.	93.	0.47	79.	112.	32.	-13
29111	GTR308	DISTIL	0.	-0.090	0.	0.041	0.08	3.	21.	11.	48.	104.	34.	0.40	3.	0.	46.	-4
29111	GTR308	DISTIL	0.	-0.766	0.	0.350	0.23	-326.	-170.	-0.	36.	452.	81.	0.41	70.	92.	35.	-15
29111	GTR312	DISTIL	0.	-0.077	0.	0.054	0.10	8.	24.	11.	53.	107.	35.	0.42	3.	0.	42.	-3
29111	GTR312	DISTIL	0.	-0.647	0.	0.458	0.31	-278.	-136.	2.	80.	479.	83.	0.47	68.	91.	31.	-10
29111	GTR316	DISTIL	0.	-0.077	0.	0.054	0.10	8.	24.	11.	53.	107.	35.	0.42	3.	0.	43.	-3
29111	GTR316	DISTIL	0.	-0.638	0.	0.447	0.30	-274.	-134.	2.	78.	471.	82.	0.47	65.	90.	32.	-10
29111	FCPADS	DISTIL	0.	-0.088	0.	0.043	0.08	30.	52.	13.	75.	135.	36.	0.54	0.	0.	61.	-5
29111	FCPADS	DISTIL	0.	-1.546	0.	0.749	0.28	-242.	155.	19.	500.	1421.	171.	0.85	69.	203.	54.	-61
29111	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.11	-24.	53.	12.	21.	137.	35.	0.42	-0.	0.	57.	-5
29111	FCMCDS	DISTIL	0.	-1.023	0.	0.792	0.36	-929.	152.	-2.	-342.	1157.	121.	0.46	48.	158.	49.	-39
29112	STM141	RESIDU	0.	-0.183	0.	0.303	0.16	-64.	-73.	-9.	91.	187.	12.	0.18	38.	0.	16.	10
29112	STM141	RESIDU	0.	-0.212	0.	0.352	0.18	-74.	-85.	-11.	106.	217.	14.	0.19	45.	7.	15.	11
29112	STM141	COAL-F	0.	-0.183	0.	0.303	0.16	-64.	-384.	-9.	103.	-78.	75.	0.06	-8.	0.	38.	26
29112	STM141	COAL-F	0.	-0.212	0.	0.352	0.18	-74.	-402.	-11.	117.	-52.	78.	0.08	-4.	7.	34.	27
29112	STM141	COAL-A	0.	-0.183	0.	0.303	0.16	271.	-384.	-9.	437.	-78.	75.	0.26	11.	0.	29.	28
29112	STM141	COAL-A	0.	-0.212	0.	0.352	0.18	267.	-402.	-11.	458.	-52.	78.	0.28	20.	7.	24.	30
29112	STM088	RESIDU	0.	-0.140	0.	0.231	0.12	-49.	-56.	-7.	69.	143.	9.	0.13	33.	0.	23.	8
29112	STM088	COAL-F	0.	-0.140	0.	0.231	0.12	-49.	-358.	-7.	81.	-115.	70.	0.02	-15.	0.	44.	23
29112	STM088	COAL-A	0.	-0.140	0.	0.231	0.12	277.	-358.	-7.	406.	-115.	70.	0.22	12.	0.	31.	26
29112	PFBSTM	COAL-P	0.	-0.192	0.	0.293	0.16	320.	-390.	20.	487.	-83.	104.	0.31	-9.	0.	42.	24
29112	PFBSTM	COAL-P	0.	-0.404	0.	0.617	0.26	347.	-517.	42.	686.	82.	157.	0.43	44.	50.	24.	30
29112	TISTMT	RESIDU	0.	-0.188	0.	0.297	0.16	-66.	-75.	-9.	89.	185.	12.	0.17	-43.	0.	58.	-1
29112	TISTMT	RESIDU	0.	-0.545	0.	0.860	0.31	-191.	-218.	-27.	257.	534.	34.	0.33	-73.	86.	48.	-9
29112	TISTMT	COAL	0.	-0.188	0.	0.297	0.16	-66.	-388.	-9.	101.	-81.	74.	0.06	-95.	0.	83.	14
29112	TISTMT	COAL	0.	-0.545	0.	0.860	0.31	-191.	-601.	-27.	272.	208.	111.	0.24	-133.	86.	55.	11
29112	TIHRSG	RESIDU	0.	-0.317	0.	0.169	0.09	-111.	-127.	-16.	43.	129.	0.	0.10	-78.	0.	85.	-10

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GENERAL ELECTRIC COMPANY

PAGE 56

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****										-----EMISSIONS SAVINGS-----										CAPITL--ELECTRIC POWER---			
		*****DIRECT*****					-----TOTAL-----					*****DIRECT*****					-----TOTAL-----					EMSR	SAVING	TOTAL EXPORT	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART							
																		MWH							
29112	TIHRSG	RESIDU	0.	-0.553	0.	0.294	0.13	-194.	-221.	-28.	75.	226.	0.	0.15	-113.	34.	78.	-19.							
29112	TIHRSG	COAL	0.	-0.317	0.	0.169	0.09	-111.	-465.	-16.	56.	-158.	68.	-0.02	-131.	0.	107.	7.							
29112	TIHRSG	COAL	0.	-0.553	0.	0.294	0.13	-194.	-607.	-28.	89.	-102.	77.	0.03	-173.	34.	88.	-0.							
29112	STIRL	DISTIL	0.	-0.282	0.	0.204	0.11	100.	84.	41.	267.	390.	124.	0.47	6.	0.	44.	-11.							
29112	STIRL	DISTIL	0.	-0.943	0.	0.683	0.23	-52.	-103.	29.	481.	826.	181.	0.55	47.	107.	39.	-23.							
29112	STIRL	RESIDU	0.	-0.282	0.	0.204	0.11	-99.	-113.	-32.	56.	145.	-15.	0.11	6.	0.	40.	2.							
29112	STIRL	RESIDU	0.	-0.943	0.	0.683	0.23	-330.	-377.	-109.	186.	484.	-50.	0.23	-46.	107.	35.	-4.							
29112	STIRL	COAL	0.	-0.282	0.	0.204	0.11	-99.	-444.	-14.	68.	-137.	70.	0.00	-47.	0.	63.	19.							
29112	STIRL	COAL	0.	-0.943	0.	0.683	0.23	-330.	-840.	-47.	203.	90.	104.	0.15	-59.	107.	44.	15.							
29112	HEGT60	COAL-A	0.	-0.477	0.	0.009	0.00	203.	-561.	-24.	370.	-254.	60.	0.11	-65.	0.	30.	12.							
29112	HEGT60	COAL-A	0.	-5.304	0.	0.101	0.01	-731.	-3457.	-265.	1018.	-460.	110.	0.11	-42.	461.	45.	-43.							
29112	HEGT00	COAL-A	0.	-0.398	0.	0.087	0.05	201.	-514.	-20.	367.	-207.	64.	0.14	-48.	0.	68.	16.							
29112	HEGT00	COAL-A	0.	-1.129	0.	0.247	0.09	27.	-952.	-56.	480.	-158.	80.	0.16	-18.	84.	44.	13.							
29112	FCMCCL	COAL	0.	-0.228	0.	0.258	0.14	99.	-105.	13.	265.	202.	97.	0.34	-48.	0.	63.	18.							
29112	FCMCCL	COAL	0.	-1.107	0.	1.250	0.34	480.	548.	62.	1248.	1878.	257.	1.00	31.	175.	31.	24.							
29112	FCSTCL	COAL	0.	-0.216	0.	0.268	0.14	72.	-152.	9.	238.	155.	93.	0.29	-46.	0.	61.	19.							
29112	FCSTCL	COAL	0.	-1.462	0.	1.794	0.39	479.	548.	62.	1537.	2370.	309.	1.00	74.	260.	28.	30.							
29112	IGGTST	COAL	0.	-0.278	0.	0.207	0.11	-97.	-442.	12.	69.	-135.	96.	0.02	-39.	0.	57.	20.							
29112	IGGTST	COAL	0.	-1.268	0.	0.944	0.26	-444.	-1035.	55.	278.	215.	241.	0.23	24.	162.	31.	26.							
29112	GT30AR	RESIDU	-0.290	0.	-0.290	0.486	0.11	-107.	-109.	-2.	49.	156.	26.	0.21	24.	0.	30.	4.							
29112	GT30AR	RESIDU	-1.624	0.	-1.624	2.717	0.27	-598.	-611.	-13.	276.	874.	148.	0.41	163.	209.	27.	-2.							
29112	GTAC08	RESIDU	0.	-0.226	0.	0.259	0.14	-223.	-90.	-27.	-69.	168.	-7.	0.06	28.	0.	24.	7.							
29112	GTAC08	RESIDU	0.	-0.890	0.	1.020	0.31	-877.	-356.	-104.	-269.	662.	-27.	0.12	128.	134.	21.	11.							
29112	GTAC12	RESIDU	0.	-0.232	0.	0.254	0.14	-209.	-93.	-25.	-54.	166.	-6.	0.06	26.	0.	25.	7.							
29112	GTAC12	RESIDU	0.	-1.148	0.	1.256	0.33	-1032.	-459.	-124.	-268.	821.	-26.	0.15	155.	180.	22.	11.							
29112	GTAC16	RESIDU	0.	-0.242	0.	0.243	0.13	-205.	-97.	-25.	-51.	161.	-6.	0.06	25.	0.	27.	6.							
29112	GTAC16	RESIDU	0.	-1.393	0.	1.400	0.34	-1179.	-557.	-143.	-291.	928.	-33.	0.16	169.	216.	24.	7.							
29112	GTWC16	RESIDU	0.	-0.258	0.	0.228	0.12	-214.	-103.	-26.	-59.	155.	-8.	0.05	26.	0.	27.	6.							
29112	GTWC16	RESIDU	0.	-1.506	0.	1.329	0.32	-1247.	-602.	-152.	-346.	903.	-44.	0.13	187.	220.	23.	6.							
29112	CC1626	RESIDU	0.	-0.264	0.	0.222	0.12	-199.	-106.	-24.	-45.	152.	-6.	0.06	25.	0.	28.	5.							
29112	CC1626	RESIDU	0.	-2.247	0.	1.885	0.34	-1692.	-899.	-208.	-379.	1293.	-54.	0.17	266.	342.	24.	2.							
29112	CC1622	RESIDU	0.	-0.253	0.	0.233	0.13	-197.	-101.	-24.	-42.	157.	-5.	0.07	25.	0.	28.	6.							
29112	CC1622	RESIDU	0.	-1.932	0.	1.777	0.35	-1502.	-773.	-184.	-324.	1197.	-42.	0.18	227.	302.	24.	5.							
29112	CC1222	RESIDU	0.	-0.251	0.	0.235	0.13	-196.	-100.	-24.	-41.	158.	-5.	0.07	26.	0.	27.	6.							
29112	CC1222	RESIDU	0.	-1.901	0.	1.781	0.35	-1484.	-760.	-182.	-314.	1196.	-40.	0.18	233.	300.	24.	6.							
29112	CC0822	RESIDU	0.	-0.234	0.	0.252	0.14	-198.	-93.	-24.	-43.	165.	-5.	0.07	27.	0.	25.	6.							
29112	CC0822	RESIDU	0.	-1.394	0.	1.504	0.35	-1180.	-557.	-143.	-258.	986.	-27.	0.18	195.	226.	21.	12.							
29112	DEHTPM	RESIDU	0.	-0.273	0.	0.213	0.11	-427.	-109.	-28.	-273.	148.	-10.	-0.08	-3.	0.	44.	1.							
29112	DEHTPM	RESIDU	0.	-1.342	0.	1.047	0.28	-2099.	-537.	-139.	-1341.	729.	-51.	-0.19	20.	179.	39.	-15.							
29112	GT30AD	DISTIL	-0.248	0.	-0.248	0.486	0.13	-99.	-40.	0.	55.	218.	19.	0.36	28.	0.	29.	-7.							
29112	GT30AD	DISTIL	-1.199	0.	-1.199	2.348	0.31	-480.	-195.	0.	266.	1053.	91.	0.55	158.	175.	26.	-13.							
29112	GTRA08	DISTIL	0.	-0.289	0.	0.196	0.11	24.	81.	40.	191.	388.	124.	0.42	23.	0.	36.	-9.							
29112	GTRA08	DISTIL	0.	-2.723	0.	1.848	0.31	-1158.	-604.	-1.	323.	1937.	325.	0.47	261.	383.	33.	-44.							
29112	GTRA12	DISTIL	0.	-0.279	0.	0.207	0.11	27.	84.	41.	193.	391.	124.	0.43	22.	0.	35.	-9.							
29112	GTRA12	DISTIL	0.	-2.473	0.	1.831	0.32	-1058.	-533.	3.	337.	1861.	313.	0.48	244.	358.	32.	-38.							
29112	GTRA16	DISTIL	0.	-0.275	0.	0.211	0.11	26.	85.	41.	193.	392.	124.	0.43	21.	0.	35.	-9.							

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DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 59

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=
COST = \$*10**9

TIME 1990

LEVEL ALL

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---						
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC		
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX						PART	EXPORT
MWH																		
29112	GTRA16	DISTIL	0.	-2.210	0.	1.699	0.32	-953.	-459.	8.	315.	1719.	294.	0.48	212.	321.	32.	-34.
29112	GTR208	DISTIL	0.	-0.271	0.	0.214	0.12	20.	96.	41.	186.	393.	124.	0.43	25.	0.	33.	-8.
29112	GTR208	DISTIL	0.	-1.738	0.	1.374	0.31	-764.	-326.	16.	248.	1417.	255.	0.47	188.	246.	30.	-25.
29112	GTR212	DISTIL	0.	-0.271	0.	0.214	0.12	22.	86.	41.	189.	393.	124.	0.43	24.	0.	34.	-9.
29112	GTR212	DISTIL	0.	-1.866	0.	1.475	0.31	-815.	-362.	14.	270.	1506.	266.	0.47	199.	268.	30.	-27.
29112	GTR216	DISTIL	0.	-0.267	0.	0.218	0.12	25.	88.	41.	192.	394.	124.	0.43	23.	0.	34.	-9.
29112	GTR216	DISTIL	0.	-1.895	0.	1.547	0.32	-827.	-371.	13.	291.	1553.	272.	0.48	197.	277.	31.	-27.
29112	GTRW08	DISTIL	0.	-0.318	0.	0.168	0.09	16.	73.	40.	183.	380.	124.	0.41	20.	0.	40.	-11.
29112	GTRW08	DISTIL	0.	-3.496	0.	1.846	0.27	-1467.	-821.	-14.	262.	2141.	357.	0.45	339.	455.	34.	-60.
29112	GTRW12	DISTIL	0.	-0.300	0.	0.186	0.10	23.	78.	40.	190.	385.	124.	0.42	20.	0.	38.	-10.
29112	GTRW12	DISTIL	0.	-3.246	0.	2.009	0.30	-1367.	-751.	-10.	334.	2164.	356.	0.47	333.	447.	32.	-51.
29112	GTRW16	DISTIL	0.	-0.294	0.	0.192	0.10	23.	80.	40.	190.	387.	124.	0.42	23.	0.	36.	-10.
29112	GTRW16	DISTIL	0.	-2.860	0.	1.863	0.31	-1213.	-642.	-3.	317.	1932.	331.	0.47	292.	397.	32.	-44.
29112	GTR308	DISTIL	0.	-0.333	0.	0.152	0.08	3.	69.	40.	170.	376.	123.	0.40	25.	0.	39.	-11.
29112	GTR308	DISTIL	0.	-2.723	0.	1.246	0.23	-1158.	-604.	-1.	129.	1608.	289.	0.41	251.	327.	35.	-52.
29112	GTR312	DISTIL	0.	-0.285	0.	0.201	0.11	22.	83.	40.	189.	390.	124.	0.42	25.	0.	34.	-9.
29112	GTR312	DISTIL	0.	-2.300	0.	1.626	0.31	-989.	-485.	6.	285.	1704.	294.	0.47	248.	323.	31.	-34.
29112	GTR316	DISTIL	0.	-0.285	0.	0.200	0.11	21.	82.	40.	188.	389.	124.	0.42	24.	0.	35.	-9.
29112	GTR316	DISTIL	0.	-2.267	0.	1.590	0.30	-976.	-475.	7.	276.	1675.	290.	0.47	236.	316.	31.	-34.
29112	FCPADS	DISTIL	0.	-0.327	0.	0.158	0.09	104.	186.	47.	270.	493.	130.	0.54	5.	0.	59.	-18.
29112	FCPADS	DISTIL	0.	-5.495	0.	2.662	0.28	-859.	550.	69.	1776.	5052.	607.	0.85	281.	719.	53.	-212.
29112	FCMCDS	DISTIL	0.	-0.274	0.	0.212	0.11	-96.	191.	41.	70.	498.	125.	0.42	3.	0.	54.	-16.
29112	FCMCDS	DISTIL	0.	-3.638	0.	2.815	0.36	-3303.	542.	-6.	-1217.	4112.	430.	0.46	196.	560.	48.	-135.
29113	STM141	RESIDU	0.	-0.443	0.	0.734	0.17	-155.	-177.	-22.	220.	453.	30.	0.18	91.	0.	16.	24.
29113	STM141	RESIDU	0.	-0.513	0.	0.850	0.19	-180.	-205.	-26.	255.	525.	35.	0.20	111.	17.	14.	27.
29113	STM141	COAL-F	0.	-0.443	0.	0.734	0.17	-155.	-893.	-22.	247.	-155.	173.	0.07	-11.	0.	35.	62.
29113	STM141	COAL-F	0.	-0.513	0.	0.850	0.19	-180.	-935.	-26.	282.	-95.	180.	0.09	1.	17.	32.	64.
29113	STM141	COAL-A	0.	-0.443	0.	0.734	0.17	614.	-893.	-22.	1016.	-155.	173.	0.27	41.	0.	25.	68.
29113	STM141	COAL-A	0.	-0.513	0.	0.850	0.19	605.	-935.	-26.	1067.	-95.	180.	0.29	62.	17.	21.	71.
29113	STM088	RESIDU	0.	-0.345	0.	0.572	0.13	-121.	-138.	-17.	172.	353.	23.	0.14	85.	0.	22.	21.
29113	STM088	COAL-F	0.	-0.345	0.	0.572	0.13	-121.	-634.	-17.	198.	-239.	162.	0.03	-13.	0.	38.	58.
29113	STM088	COAL-A	0.	-0.345	0.	0.572	0.13	627.	-834.	-17.	946.	-239.	162.	0.23	31.	0.	30.	63.
29113	PFBSTM	COAL-P	0.	-0.464	0.	0.713	0.17	731.	-906.	47.	1133.	-168.	242.	0.31	17.	0.	33.	61.
29113	PFBSTM	COAL-P	0.	-0.951	0.	1.460	0.26	791.	-1198.	95.	1590.	215.	364.	0.43	106.	116.	24.	72.
29113	TISTMT	RESIDU	0.	-0.456	0.	0.721	0.17	-160.	-182.	-23.	216.	448.	29.	0.18	-61.	0.	48.	3.
29113	TISTMT	RESIDU	0.	-1.278	0.	2.020	0.31	-447.	-511.	-64.	604.	1254.	80.	0.33	-194.	199.	50.	-22.
29113	TISTMT	COAL	0.	-0.456	0.	0.721	0.17	-160.	-901.	-23.	243.	-163.	172.	0.07	-161.	7.	67.	42.
29113	TISTMT	COAL	0.	-1.278	0.	2.020	0.31	-447.	-1394.	-64.	637.	504.	257.	0.24	-342.	139.	57.	22.
29113	TIHRSG	RESIDU	0.	-0.768	0.	0.409	0.09	-269.	-307.	-38.	104.	313.	1.	0.11	-178.	0.	82.	-22.
29113	TIHRSG	RESIDU	0.	-1.262	0.	0.671	0.13	-442.	-505.	-63.	171.	515.	1.	0.15	-289.	71.	82.	-47.
29113	TIHRSG	COAL	0.	-0.768	0.	0.409	0.09	-269.	-1088.	-38.	133.	-350.	157.	-0.02	-305.	0.	103.	16.
29113	TIHRSG	COAL	0.	-1.262	0.	0.671	0.13	-442.	-1384.	-63.	204.	-233.	177.	0.03	-437.	71.	93.	-4.
29113	STIRL	DISTIL	0.	-0.682	0.	0.494	0.11	219.	179.	92.	621.	917.	287.	0.48	24.	0.	42.	-24.
29113	STIRL	DISTIL	0.	-2.151	0.	1.559	0.23	-119.	-234.	67.	1099.	1889.	412.	0.55	124.	238.	38.	-50.
29113	STIRL	RESIDU	0.	-0.682	0.	0.494	0.11	-239.	-273.	-79.	135.	350.	-36.	0.12	24.	0.	37.	7.
29113	STIRL	RESIDU	0.	-2.151	0.	1.559	0.23	-753.	-861.	-248.	425.	1104.	-114.	0.23	123.	238.	33.	-7.

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GENERAL ELECTRIC COMPANY

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING S*****				- - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR SAVING	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	TOTAL
													EXPORT
													MMH
29113	STIRL	COAL	0.	-0.682	0.	0.494	0.11	-239.	-1036.	-34.	163.	-299.	161.
29113	STIRL	COAL	0.	-2.151	0.	1.559	0.23	-753.	-1918.	-108.	464.	205.	237.
29113	HEGT60	COAL-A	0.	-1.155	0.	0.022	0.01	451.	-1320.	-58.	853.	-582.	137.
29113	HEGT60	COAL-A	0.	-12.104	0.	0.230	0.01	-1659.	-7889.	-605.	2323.	-1050.	250.
29113	HEGT00	COAL-A	0.	-0.965	0.	0.212	0.05	444.	-1206.	-48.	846.	-469.	147.
29113	HEGT00	COAL-A	0.	-2.577	0.	0.565	0.09	61.	-2173.	-129.	1095.	-361.	183.
29113	FCMCCL	COAL	0.	-0.553	0.	0.624	0.14	240.	-216.	31.	642.	522.	226.
29113	FCMCCL	COAL	0.	-2.526	0.	2.852	0.34	1094.	1251.	143.	2848.	4286.	586.
29113	FCSTCL	COAL	0.	-0.528	0.	0.649	0.15	170.	-334.	22.	573.	403.	217.
29113	FCSTCL	COAL	0.	-3.387	0.	4.165	0.39	1094.	1251.	140.	3547.	5475.	713.
29113	IGGTST	COAL	0.	-0.672	0.	0.505	0.12	-235.	-1030.	29.	167.	-292.	224.
29113	IGGTST	COAL	0.	-2.940	0.	2.212	0.27	-1029.	-2391.	126.	652.	521.	557.
29113	GTSOAR	RESIDU	-0.704	0.	-0.704	1.177	0.11	-259.	-265.	-6.	119.	379.	64.
29113	GTSOAR	RESIDU	-3.706	0.	-3.706	6.200	0.27	-1365.	-1395.	-30.	629.	1995.	337.
29113	GTAC08	RESIDU	0.	-0.548	0.	0.629	0.15	-541.	-219.	-64.	-166.	408.	-17.
29113	GTAC08	RESIDU	0.	-2.030	0.	2.328	0.31	-2002.	-812.	-238.	-615.	1510.	-62.
29113	GTAC12	RESIDU	0.	-0.562	0.	0.615	0.14	-505.	-225.	-61.	-131.	402.	-14.
29113	GTAC12	RESIDU	0.	-2.620	0.	2.865	0.33	-2356.	-1048.	-284.	-611.	1873.	-64.
29113	GTAC16	RESIDU	0.	-0.587	0.	0.590	0.14	-497.	-235.	-60.	-123.	391.	-14.
29113	GTAC16	RESIDU	0.	-3.178	0.	3.194	0.34	-2691.	-1271.	-326.	-664.	2118.	-76.
29113	GTWC16	RESIDU	0.	-0.625	0.	0.552	0.13	-518.	-250.	-63.	-144.	375.	-18.
29113	GTWC16	RESIDU	0.	-3.437	0.	3.032	0.32	-2846.	-1375.	-346.	-790.	2060.	-101.
29113	CC1626	RESIDU	0.	-0.639	0.	0.538	0.12	-480.	-256.	-59.	-106.	369.	-15.
29113	CC1626	RESIDU	0.	-5.194	0.	4.376	0.34	-3900.	-2078.	-480.	-860.	3000.	-122.
29113	CC1622	RESIDU	0.	-0.612	0.	0.565	0.13	-474.	-245.	-58.	-100.	381.	-13.
29113	CC1622	RESIDU	0.	-4.466	0.	4.126	0.35	-3463.	-1786.	-425.	-733.	2779.	-95.
29113	CC1222	RESIDU	0.	-0.606	0.	0.571	0.13	-472.	-243.	-58.	-98.	383.	-12.
29113	CC1222	RESIDU	0.	-4.397	0.	4.138	0.35	-3422.	-1759.	-419.	-709.	2777.	-90.
29113	CC0822	RESIDU	0.	-0.565	0.	0.612	0.14	-476.	-226.	-58.	-102.	401.	-11.
29113	CC0822	RESIDU	0.	-3.231	0.	3.501	0.35	-2722.	-1292.	-330.	-581.	2292.	-61.
29113	DEHTPM	RESIDU	0.	-0.661	0.	0.516	0.12	-1034.	-264.	-69.	-660.	359.	-25.
29113	DEHTPM	RESIDU	0.	-3.063	0.	2.389	0.28	-4791.	-1225.	-317.	-3060.	1655.	-117.
29113	GTSOAD	DISTIL	-0.601	0.	-0.601	1.177	0.13	-241.	-98.	0.	133.	528.	46.
29113	GTSOAD	DISTIL	-2.737	0.	-2.737	5.358	0.31	-1096.	-445.	0.	607.	2403.	208.
29113	GTRA08	DISTIL	0.	-0.701	0.	0.476	0.11	36.	174.	92.	438.	912.	287.
29113	GTRA08	DISTIL	0.	-6.215	0.	4.216	0.31	-2643.	-1378.	-2.	737.	4421.	741.
29113	GTRA12	DISTIL	0.	-0.676	0.	0.501	0.12	42.	181.	92.	444.	919.	287.
29113	GTRA12	DISTIL	0.	-5.643	0.	4.177	0.32	-2414.	-1217.	8.	769.	4248.	714.
29113	GTRA16	DISTIL	0.	-0.665	0.	0.511	0.12	40.	184.	92.	442.	922.	287.
29113	GTRA16	DISTIL	0.	-5.043	0.	3.876	0.32	-2174.	-1043.	18.	719.	3924.	671.
29113	GTR208	DISTIL	0.	-0.657	0.	0.520	0.12	25.	186.	92.	427.	924.	287.
29113	GTR208	DISTIL	0.	-3.966	0.	3.135	0.31	-1743.	-745.	36.	565.	3233.	582.
29113	GTR212	DISTIL	0.	-0.657	0.	0.520	0.12	31.	186.	92.	433.	924.	287.
29113	GTR212	DISTIL	0.	-4.258	0.	3.366	0.31	-1860.	-827.	31.	616.	3437.	608.
29113	GTR216	DISTIL	0.	-0.648	0.	0.529	0.12	37.	189.	92.	439.	927.	288.
29113	GTR216	DISTIL	0.	-4.324	0.	3.531	0.32	-1887.	-846.	30.	664.	3545.	620.

KEY: PAGE 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

DATE 06/08/79

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ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****										*****EMISSIONS SAVINGS*****										CAPITL--ELECTRIC POWER---	
		ECS *****DIRECT*****					*****TOTAL*****					*****TOTAL*****					EMSR	SAVING					
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	NOX	SOX	PART	EXPORT		COST LAEC					
																	MWH						
29113	GTRW08	DISTIL	0.	-0.770	0.	0.407	0.09	17.	155.	90.	419.	892.	285.	0.42	64.	0.	36.	-23.					
29113	GTRW08	DISTIL	0.	-7.978	0.	4.212	0.27	-3348.	-1674.	-32.	597.	4836.	815.	0.45	787.	1033.	33.	-134.					
29113	GTRW12	DISTIL	0.	-0.727	0.	0.450	0.10	33.	167.	91.	435.	905.	286.	0.42	64.	0.	34.	-21.					
29113	GTRW12	DISTIL	0.	-7.407	0.	4.585	0.30	-3120.	-1714.	-22.	762.	4939.	813.	0.47	782.	1014.	31.	-112.					
29113	GTRW16	DISTIL	0.	-0.713	0.	0.464	0.11	33.	171.	91.	435.	909.	286.	0.42	61.	0.	35.	-21.					
29113	GTRW16	DISTIL	0.	-6.527	0.	4.252	0.31	-2768.	-1466.	-8.	724.	4523.	756.	0.47	695.	901.	31.	-96.					
29113	GTR308	DISTIL	0.	-0.807	0.	0.369	0.09	-16.	144.	90.	386.	882.	285.	0.40	70.	0.	36.	-24.					
29113	GTR308	DISTIL	0.	-6.213	0.	2.843	0.23	-2642.	-1377.	-2.	295.	3669.	659.	0.41	606.	739.	34.	-112.					
29113	GTR312	DISTIL	0.	-0.689	0.	0.487	0.11	30.	177.	92.	433.	915.	287.	0.43	68.	0.	32.	-19.					
29113	GTR312	DISTIL	0.	-5.249	0.	3.711	0.31	-2256.	-1106.	14.	650.	3888.	670.	0.47	597.	730.	30.	-71.					
29113	GTR316	DISTIL	0.	-0.692	0.	0.485	0.11	28.	177.	92.	430.	914.	287.	0.42	67.	0.	33.	-19.					
29113	GTR316	DISTIL	0.	-5.174	0.	3.628	0.30	-2227.	-1085.	15.	629.	3823.	562.	0.47	575.	715.	30.	-73.					
29113	FCPADS	DISTIL	0.	-0.793	0.	0.384	0.09	229.	427.	107.	631.	1165.	302.	0.55	21.	0.	57.	-42.					
29113	FCPADS	DISTIL	0.	-12.540	0.	6.074	0.28	-1959.	1254.	157.	4053.	11528.	1384.	0.85	677.	1635.	52.	-478.					
29113	FCMCDS	DISTIL	0.	-0.664	0.	0.513	0.12	-256.	441.	94.	146.	1178.	289.	0.42	16.	0.	53.	-35.					
29113	FCMCDS	DISTIL	0.	-8.302	0.	6.423	0.36	-7538.	1237.	-15.	-2777.	9384.	982.	0.46	472.	1271.	48.	-304.					
29	FCMCDS	DISTIL	-12.048	*****	-12.048	230.081	8.84	*****	-91142.	-5118.	49847.	197232.	33060.	0.38	19173.	34293.	10331.	-1638.					
33121	STM141	RESIDU	0.	-0.008	0.	0.013	0.03	-3.	-3.	-0.	4.	8.	1.	0.03	1.	0.	62.	0.					
33121	STM141	COAL-F	0.	-0.008	0.	0.013	0.03	-3.	-19.	-0.	5.	-6.	4.	0.01	-5.	0.	52.	0.					
33121	STM141	COAL-A	0.	-0.008	0.	0.013	0.03	15.	-19.	-0.	22.	-6.	4.	0.04	-2.	0.	51.	1.					
33121	STM088	RESIDU	0.	-0.004	0.	0.007	0.01	-2.	-2.	-0.	2.	4.	0.	0.02	0.	0.	63.	0.					
33121	STM088	COAL-F	0.	-0.004	0.	0.007	0.01	-2.	-17.	-0.	3.	-9.	3.	-0.01	-5.	0.	52.	0.					
33121	STM088	COAL-A	0.	-0.004	0.	0.007	0.01	15.	-17.	-0.	19.	-9.	3.	0.03	-3.	0.	51.	1.					
33121	PFBSTM	COAL-P	0.	-0.018	0.	0.027	0.05	19.	-26.	2.	34.	1.	8.	0.09	-5.	0.	52.	1.					
33121	TISTMT	RESIDU	0.	-0.025	0.	0.039	0.08	-9.	-10.	-1.	12.	24.	2.	0.08	-19.	0.	72.	-2.					
33121	TISTMT	COAL	0.	-0.025	0.	0.039	0.08	-9.	-30.	-1.	12.	8.	5.	0.06	-28.	0.	64.	-2.					
33121	TIHRSG	RESIDU	0.	-0.028	0.	0.017	0.03	-10.	-11.	-1.	4.	12.	0.	0.04	-21.	0.	75.	-3.					
33121	TIHRSG	COAL	0.	-0.028	0.	0.017	0.03	-10.	-31.	-1.	5.	-5.	4.	0.01	-30.	0.	66.	-3.					
33121	STIRL	DISTIL	0.	-0.052	0.	0.038	0.08	-3.	-6.	2.	26.	46.	10.	0.18	3.	0.	66.	-1.					
33121	STIRL	RESIDU	0.	-0.052	0.	0.038	0.08	-18.	-21.	-6.	11.	27.	-3.	0.08	3.	0.	59.	0.					
33121	STIRL	COAL	0.	-0.052	0.	0.038	0.08	-18.	-46.	-3.	11.	6.	6.	0.05	-4.	0.	50.	1.					
33121	HEGT50	COAL-A	0.	-0.235	0.	0.015	0.03	-30.	-156.	-12.	51.	-17.	6.	0.09	-30.	0.	67.	-3.					
33121	HEGT00	COAL-A	0.	-0.059	0.	0.014	0.03	2.	-50.	-3.	26.	-8.	4.	0.05	-15.	0.	53.	-1.					
33121	FCMCCL	COAL	0.	-0.059	0.	0.067	0.13	26.	29.	3.	67.	100.	14.	0.39	-13.	0.	55.	0.					
33121	FCSTCL	COAL	0.	-0.072	0.	0.088	0.17	26.	29.	3.	78.	119.	16.	0.46	-13.	0.	54.	1.					
33121	IGGTST	COAL	0.	-0.062	0.	0.044	0.09	-22.	-52.	3.	13.	8.	12.	0.07	-12.	0.	55.	-0.					
33121	GTSCAR	RESIDU	-0.084	0.	-0.084	0.142	0.12	-31.	-31.	-1.	15.	46.	8.	0.16	8.	0.	54.	1.					
33121	GTAC08	RESIDU	0.	-0.047	0.	0.054	0.11	-47.	-19.	-6.	-14.	35.	-1.	0.04	7.	0.	55.	1.					
33121	GTAC12	RESIDU	0.	-0.061	0.	0.067	0.13	-55.	-25.	-7.	-14.	44.	-1.	0.06	8.	0.	53.	2.					
33121	GTAC16	RESIDU	0.	-0.074	0.	0.075	0.15	-63.	-29.	-8.	-15.	49.	-2.	0.07	9.	0.	52.	2.					
33121	GTWC16	RESIDU	0.	-0.080	0.	0.071	0.14	-67.	-32.	-8.	-18.	48.	-2.	0.06	9.	0.	52.	2.					
33121	CC1626	RESIDU	0.	-0.112	0.	0.092	0.18	-86.	-45.	-11.	-21.	63.	-3.	0.09	13.	0.	49.	2.					
33121	CC1622	RESIDU	0.	-0.096	0.	0.087	0.17	-76.	-39.	-9.	-18.	59.	-2.	0.08	11.	0.	50.	2.					
33121	CC1222	RESIDU	0.	-0.095	0.	0.087	0.17	-75.	-38.	-9.	-17.	58.	-2.	0.08	12.	0.	50.	2.					
33121	CC0822	RESIDU	0.	-0.069	0.	0.072	0.14	-60.	-27.	-7.	-15.	48.	-2.	0.07	9.	0.	53.	2.					
33121	DEADV3	RESIDU	0.	-0.293	0.	0.132	0.26	-322.	-117.	-24.	-188.	106.	-11.	-0.20	11.	0.	46.	-0.					

NEWELL PAGE PRINTING SYSTEM - 2118-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 62

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****						*****TOTAL*****						EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART						
MWH																		
33121	DEHTPM	RESIDU	0.	-0.072	0.	0.061	0.12	-112.	-29.	-7.	-70.	42.	-2.	-0.07	2.	0.	58.	0.
33121	DESOA3	DISTIL	-0.319	0.	-0.319	0.429	0.22	-714.	-36.	1.	-579.	186.	10.	-0.88	1.	0.	60.	-6.
33121	DESOA3	DISTIL	-0.384	0.	-0.384	0.516	0.22	-861.	-47.	1.	-698.	222.	13.	-0.90	2.	8.	59.	-8.
33121	DESOA3	RESIDU	-0.319	0.	-0.319	0.429	0.22	-1532.	-120.	-3.	-1394.	114.	23.	-2.90	1.	0.	54.	-3.
33121	DESOA3	RESIDU	-0.384	0.	-0.384	0.516	0.22	-1843.	-145.	-3.	-1678.	138.	27.	-2.94	2.	8.	54.	-4.
33121	GTSOAR	DISTIL	-0.064	0.	-0.064	0.125	0.12	-26.	-10.	0.	14.	56.	5.	0.18	9.	0.	60.	0.
33121	GTRA08	DISTIL	0.	-0.136	0.	0.098	0.19	-58.	-30.	0.	18.	100.	17.	0.29	14.	0.	53.	0.
33121	GTRA12	DISTIL	0.	-0.125	0.	0.097	0.19	-54.	-27.	0.	18.	97.	16.	0.29	13.	0.	54.	0.
33121	GTRA16	DISTIL	0.	-0.113	0.	0.090	0.18	-49.	-23.	0.	17.	90.	15.	0.27	11.	0.	56.	0.
33121	GTR208	DISTIL	0.	-0.090	0.	0.073	0.15	-40.	-17.	1.	13.	75.	13.	0.22	10.	0.	58.	0.
33121	GTR212	DISTIL	0.	-0.097	0.	0.079	0.16	-42.	-19.	1.	15.	80.	14.	0.23	10.	0.	58.	0.
33121	GTR216	DISTIL	0.	-0.098	0.	0.082	0.16	-43.	-19.	1.	16.	82.	14.	0.24	10.	0.	57.	0.
33121	GTRW08	DISTIL	0.	-0.177	0.	0.098	0.19	-75.	-41.	-1.	14.	111.	19.	0.31	17.	0.	52.	-0.
33121	GTRW12	DISTIL	0.	-0.166	0.	0.106	0.21	-70.	-38.	-0.	18.	113.	19.	0.32	17.	0.	51.	-0.
33121	GTRW16	DISTIL	0.	-0.148	0.	0.099	0.20	-63.	-33.	-0.	17.	104.	17.	0.30	15.	0.	53.	-0.
33121	GTR308	DISTIL	0.	-0.140	0.	0.067	0.13	-60.	-31.	0.	7.	84.	15.	0.23	13.	0.	57.	-1.
33121	GTR312	DISTIL	0.	-0.121	0.	0.087	0.17	-52.	-25.	0.	15.	90.	16.	0.26	13.	0.	55.	0.
33121	GTR316	DISTIL	0.	-0.119	0.	0.085	0.17	-51.	-25.	0.	15.	89.	15.	0.26	12.	0.	56.	-0.
33121	FCPADS	DISTIL	0.	-0.289	0.	0.140	0.23	-45.	29.	4.	93.	266.	32.	0.85	15.	0.	59.	-7.
33121	FCPADS	DISTIL	0.	-0.293	0.	0.142	0.28	-46.	29.	4.	95.	270.	32.	0.85	16.	1.	59.	-7.
33121	FCMCDS	DISTIL	0.	-0.194	0.	0.150	0.30	-176.	29.	-0.	-65.	219.	23.	0.38	11.	0.	58.	-4.
33251	STM141	RESIDU	0.	-0.080	0.	0.132	0.06	-28.	-32.	-4.	40.	61.	5.	0.06	22.	0.	59.	4.
33251	STM141	COAL-F	0.	-0.080	0.	0.132	0.06	-28.	-121.	-4.	43.	6.	23.	0.03	-8.	0.	49.	6.
33251	STM141	COAL-A	0.	-0.080	0.	0.132	0.06	68.	-121.	-4.	138.	6.	23.	0.08	12.	0.	47.	9.
33251	STM088	RESIDU	0.	-0.044	0.	0.072	0.03	-15.	-17.	-2.	22.	45.	3.	0.03	15.	0.	61.	3.
33251	STM088	COAL-F	0.	-0.044	0.	0.072	0.03	-15.	-99.	-2.	25.	-25.	19.	0.01	-14.	0.	51.	4.
33251	STM088	COAL-A	0.	-0.044	0.	0.072	0.03	72.	-99.	-2.	112.	-25.	19.	0.05	3.	0.	49.	6.
33251	PFBSTM	COAL-P	0.	-0.180	0.	0.265	0.11	87.	-181.	10.	233.	74.	51.	0.16	18.	0.	46.	11.
33251	TISTMT	RESIDU	0.	-0.125	0.	0.196	0.08	-44.	-50.	-6.	59.	122.	8.	0.09	-47.	0.	66.	-5.
33251	TISTMT	COAL	0.	-0.246	0.	0.387	0.16	-86.	-221.	-12.	120.	137.	40.	0.14	-110.	0.	60.	-2.
33251	TIHRSG	RESIDU	0.	-0.139	0.	0.082	0.03	-49.	-56.	-7.	21.	61.	1.	0.04	-57.	0.	70.	-8.
33251	TIHRSG	COAL	0.	-0.274	0.	0.162	0.07	-96.	-237.	-14.	47.	12.	27.	0.04	-131.	0.	65.	-10.
33251	STIRL	DISTIL	0.	-0.257	0.	0.191	0.08	-16.	-29.	8.	131.	227.	49.	0.19	15.	0.	66.	-3.
33251	STIRL	RESIDU	0.	-0.257	0.	0.191	0.08	-90.	-103.	-20.	52.	135.	-4.	0.08	15.	0.	59.	2.
33251	STIRL	COAL	0.	-0.508	0.	0.377	0.16	-173.	-378.	-25.	110.	117.	42.	0.12	-38.	0.	51.	7.
33251	HEGT60	COAL-A	0.	-1.884	0.	0.117	0.05	-274.	-1203.	-94.	372.	-98.	39.	0.14	-25.	0.	52.	1.
33251	HEGT60	COAL-A	0.	-2.304	0.	0.143	0.05	-357.	-1455.	-115.	433.	-106.	44.	0.14	-72.	42.	56.	-11.
33251	HEGT00	COAL-A	0.	-0.579	0.	0.135	0.06	-44.	-420.	-29.	189.	-19.	28.	0.09	-24.	0.	51.	3.
33251	FCMCCL	COAL	0.	-0.932	0.	0.299	0.13	127.	145.	15.	526.	829.	102.	0.67	8.	0.	47.	8.
33251	FCSTCL	COAL	0.	-1.065	0.	0.505	0.21	127.	145.	15.	635.	1015.	122.	0.81	27.	0.	43.	15.
33251	IGGTST	COAL	0.	-0.966	0.	0.076	0.03	-338.	-652.	12.	-0.	-72.	88.	0.01	5.	0.	48.	7.
33251	GTSOAR	RESIDU	-0.415	0.	-0.415	0.706	0.12	-105.	-156.	-3.	122.	230.	38.	0.19	54.	0.	52.	7.
33251	GTAC08	RESIDU	0.	-0.236	0.	0.270	0.11	-144.	-94.	-18.	17.	175.	2.	0.09	42.	0.	54.	7.
33251	GTAC12	RESIDU	0.	-0.305	0.	0.333	0.14	-185.	-122.	-24.	18.	218.	2.	0.11	51.	0.	52.	9.
33251	GTAC16	RESIDU	0.	-0.366	0.	0.371	0.16	-222.	-146.	-28.	12.	246.	1.	0.12	56.	0.	50.	9.
33251	GTWC16	RESIDU	0.	-0.400	0.	0.352	0.15	-242.	-160.	-31.	-3.	239.	-2.	0.11	61.	0.	50.	9.

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GENERAL ELECTRIC COMPANY

PAGE 63

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - - -										CAPITL--ELECTRIC POWER---											
		*****DIRECT*****					-----TOTAL-----					FESR	-----DIRECT-----					*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX		PART	NOX	SOX	PART	EXPORT						
MMH																							
33251	CC1626	RESIDU	0.	-1.452	0.	0.548	0.23	-962.	-581.	-121.	-329.	470.	-60.	0.04	168.	0.	32.	11.					
33251	CC1626	RESIDU	0.	-0.559	0.	0.458	0.19	-338.	-224.	-43.	-15.	316.	-5.	0.14	83.	0.	45.	12.					
33251	CC1622	RESIDU	0.	-0.479	0.	0.431	0.18	-290.	-192.	-37.	-1.	292.	-2.	0.13	70.	0.	47.	11.					
33251	CC1222	RESIDU	0.	-0.471	0.	0.431	0.18	-285.	-188.	-36.	2.	291.	-2.	0.13	72.	0.	47.	11.					
33251	CC0022	RESIDU	0.	-0.342	0.	0.361	0.15	-207.	-137.	-26.	16.	237.	2.	0.12	59.	0.	50.	10.					
33251	DEADV3	RESIDU	0.	-1.380	0.	0.621	0.26	-1305.	-552.	-105.	-672.	501.	-42.	-0.10	56.	0.	45.	-1.					
33251	DEADV3	RESIDU	0.	-1.453	0.	0.654	0.26	-1386.	-581.	-111.	-719.	528.	-45.	-0.10	59.	10.	45.	-2.					
33251	DEHTPM	RESIDU	0.	-0.358	0.	0.301	0.13	-346.	-143.	-28.	-136.	206.	-3.	0.03	7.	0.	58.	1.					
33251	DES0A3	DISTIL	-1.489	0.	-1.489	2.000	0.22	-2666.	-164.	3.	-2036.	874.	47.	-0.55	10.	0.	59.	-26.					
33251	DES0A3	DISTIL	-1.907	0.	-1.907	2.562	0.22	-3010.	-232.	3.	-2803.	1101.	64.	-0.64	14.	53.	59.	-40.					
33251	DES0A3	RESIDU	-1.489	0.	-1.489	2.000	0.22	-5752.	-561.	-12.	-5109.	533.	107.	-2.19	10.	0.	53.	-11.					
33251	DES0A3	RESIDU	-1.907	0.	-1.907	2.562	0.22	-7760.	-718.	-15.	-6936.	683.	136.	-2.39	14.	53.	53.	-21.					
33251	GTSOAD	DISTIL	-0.317	0.	-0.317	0.621	0.13	-65.	-51.	0.	133.	279.	24.	0.22	53.	0.	58.	3.					
33251	GTRA08	DISTIL	0.	-1.429	0.	0.571	0.24	-574.	-359.	-12.	72.	746.	121.	0.43	146.	0.	40.	-5.					
33251	GTRA08	DISTIL	0.	-0.678	0.	0.485	0.20	-229.	-148.	0.	148.	499.	84.	0.34	81.	0.	51.	2.					
33251	GTRA12	DISTIL	0.	-1.424	0.	0.576	0.24	-578.	-358.	-12.	69.	747.	121.	0.43	146.	0.	40.	-5.					
33251	GTRA12	DISTIL	0.	-0.623	0.	0.481	0.20	-207.	-132.	1.	151.	483.	81.	0.33	77.	0.	51.	3.					
33251	GTRA16	DISTIL	0.	-0.562	0.	0.448	0.19	-183.	-115.	2.	145.	448.	77.	0.31	67.	0.	53.	2.					
33251	GTR208	DISTIL	0.	-0.448	0.	0.364	0.15	-137.	-83.	4.	127.	372.	67.	0.26	63.	0.	56.	2.					
33251	GTR212	DISTIL	0.	-0.481	0.	0.391	0.17	-150.	-92.	4.	133.	395.	70.	0.27	66.	0.	55.	3.					
33251	GTR216	DISTIL	0.	-0.487	0.	0.409	0.17	-153.	-94.	4.	138.	407.	71.	0.28	66.	0.	54.	3.					
33251	GTRW08	DISTIL	0.	-1.459	0.	0.541	0.23	-570.	-368.	-13.	76.	737.	120.	0.43	160.	0.	39.	-5.					
33251	GTRW08	DISTIL	0.	-0.881	0.	0.485	0.21	-310.	-205.	-3.	132.	553.	92.	0.36	103.	0.	48.	-0.					
33251	GTRW12	DISTIL	0.	-1.394	0.	0.606	0.26	-543.	-349.	-12.	101.	756.	121.	0.45	160.	0.	38.	-2.					
33251	GTRW12	DISTIL	0.	-0.827	0.	0.526	0.22	-289.	-190.	-2.	150.	562.	93.	0.37	102.	0.	47.	2.					
33251	GTRW16	DISTIL	0.	-1.429	0.	0.571	0.24	-568.	-359.	-12.	78.	746.	121.	0.43	158.	0.	39.	-4.					
33251	GTRW16	DISTIL	0.	-0.736	0.	0.491	0.21	-252.	-164.	-0.	143.	518.	87.	0.34	97.	0.	49.	3.					
33251	GTR308	DISTIL	0.	-1.701	0.	0.300	0.13	-697.	-436.	-17.	-51.	669.	116.	0.34	165.	0.	44.	-15.					
33251	GTR308	DISTIL	0.	-0.694	0.	0.331	0.14	-235.	-152.	0.	97.	419.	75.	0.27	83.	0.	54.	-2.					
33251	GTR312	DISTIL	0.	-1.507	0.	0.493	0.21	-619.	-381.	-14.	27.	724.	119.	0.40	166.	0.	39.	-6.					
33251	GTR312	DISTIL	0.	-0.601	0.	0.431	0.18	-190.	-126.	2.	136.	449.	77.	0.30	84.	0.	52.	3.					
33251	GTR316	DISTIL	0.	-1.524	0.	0.476	0.20	-628.	-386.	-14.	19.	719.	119.	0.39	164.	0.	40.	-7.					
33251	GTR316	DISTIL	0.	-0.593	0.	0.421	0.18	-195.	-124.	2.	134.	442.	77.	0.30	81.	0.	52.	2.					
33251	FCPADS	DISTIL	0.	-1.348	0.	0.653	0.28	-220.	38.	12.	427.	1143.	145.	0.79	77.	0.	58.	-31.					
33251	FCPADS	DISTIL	0.	-1.457	0.	0.706	0.28	-240.	46.	12.	458.	1239.	155.	0.80	83.	15.	58.	-36.					
33251	FCMCDS	DISTIL	0.	-1.189	0.	0.811	0.34	-892.	61.	-6.	-245.	1166.	127.	0.48	66.	0.	55.	-24.					
33251	FCMCDS	DISTIL	0.	-0.964	0.	0.746	0.32	-689.	44.	-2.	-136.	991.	113.	0.44	56.	0.	57.	-19.					
33254	STM141	RESIDU	0.	-0.008	0.	0.013	0.04	-3.	-3.	-0.	4.	8.	1.	0.04	1.	0.	62.	0.					
33254	STM141	COAL-F	0.	-0.008	0.	0.013	0.04	-3.	-19.	-0.	5.	-5.	4.	0.01	-5.	0.	53.	0.					
33254	STM141	COAL-A	0.	-0.008	0.	0.013	0.04	14.	-19.	-0.	22.	-5.	4.	0.06	-2.	0.	51.	1.					
33254	STM088	RESIDU	0.	-0.004	0.	0.007	0.02	-2.	-2.	-0.	2.	4.	0.	0.02	0.	0.	63.	0.					
33254	STM088	COAL-F	0.	-0.004	0.	0.007	0.02	-2.	-17.	-0.	3.	-9.	3.	-0.01	-5.	0.	54.	0.					
33254	STM088	COAL-A	0.	-0.004	0.	0.007	0.02	15.	-17.	-0.	19.	-9.	3.	0.04	-3.	0.	52.	1.					
33254	PFBSTN	COAL-P	0.	-0.018	0.	0.026	0.07	18.	-25.	2.	33.	1.	8.	0.13	-5.	0.	53.	1.					
33254	TISTMT	RESIDU	0.	-0.025	0.	0.038	0.11	-9.	-10.	-1.	12.	24.	2.	0.11	-19.	0.	76.	-2.					
33254	TISTMT	COAL	0.	-0.025	0.	0.038	0.11	-9.	-29.	-1.	12.	8.	5.	0.08	-27.	0.	72.	-2.					

NEWELL PAGE PRINTING SYSTEM - P1108-02

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 64

ISE PEO AES

COGENERATION

TECHNOLOGY

ALTERNATIVES

STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS

SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		-----TOTAL-----		-----FESR-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX					PART		
MMH																		
33254	TIHRSO	RESIDU	0.	-0.027	0.	0.016	0.05	-10.	-11.	-1.	4.	12.	0.	0.05	-21.	0.	80.	-3.
33254	TIHRSO	COAL	0.	-0.027	0.	0.016	0.05	-10.	-31.	-1.	5.	-5.	4.	0.01	-29.	0.	74.	-3.
33254	STIRL	DISTIL	0.	-0.051	0.	0.038	0.11	-3.	-6.	2.	26.	45.	10.	0.24	3.	0.	63.	-1.
33254	STIRL	RESIDU	0.	-0.051	0.	0.038	0.11	-18.	-20.	-6.	10.	26.	-3.	0.10	3.	0.	56.	0.
33254	STIRL	COAL	0.	-0.051	0.	0.038	0.11	-18.	-45.	-3.	11.	6.	6.	0.07	-4.	0.	51.	1.
33254	HEGT60	COAL-A	0.	-0.230	0.	0.014	0.04	-30.	-152.	-11.	49.	-17.	6.	0.12	-29.	0.	75.	-3.
33254	HEGT00	COAL-A	0.	-0.058	0.	0.013	0.04	2.	-49.	-3.	25.	-8.	4.	0.07	-15.	0.	62.	-1.
33254	FCMCCL	COAL	0.	-0.058	0.	0.065	0.18	25.	29.	3.	65.	98.	13.	0.54	-13.	0.	57.	0.
33254	FCSTCL	COAL	0.	-0.071	0.	0.086	0.24	25.	29.	3.	76.	116.	15.	0.63	-13.	0.	56.	0.
33254	IGGTST	COAL	0.	-0.061	0.	0.043	0.12	-21.	-51.	3.	13.	8.	12.	0.10	-12.	0.	58.	-0.
33254	GTSCAR	RESIDU	-0.082	0.	-0.082	0.139	0.16	-30.	-31.	-1.	14.	45.	8.	0.22	8.	0.	49.	1.
33254	GTAC08	RESIDU	0.	-0.046	0.	0.053	0.15	-46.	-19.	-5.	-14.	35.	-1.	0.06	7.	0.	51.	1.
33254	GTAC12	RESIDU	0.	-0.060	0.	0.066	0.18	-54.	-24.	-6.	-14.	43.	-1.	0.08	8.	0.	48.	2.
33254	GTAC16	RESIDU	0.	-0.072	0.	0.073	0.20	-61.	-29.	-7.	-15.	48.	-2.	0.10	9.	0.	47.	2.
33254	GTWC16	RESIDU	0.	-0.079	0.	0.069	0.19	-65.	-31.	-3.	-18.	47.	-2.	0.08	9.	0.	47.	1.
33254	CC1626	RESIDU	0.	-0.110	0.	0.090	0.25	-84.	-44.	-10.	-20.	62.	-3.	0.12	13.	0.	42.	2.
33254	CC1622	RESIDU	0.	-0.094	0.	0.085	0.24	-75.	-38.	-9.	-18.	57.	-2.	0.11	11.	0.	44.	2.
33254	CC1222	RESIDU	0.	-0.093	0.	0.083	0.24	-74.	-37.	-9.	-17.	57.	-2.	0.12	12.	0.	43.	2.
33254	CC0822	RESIDU	0.	-0.067	0.	0.071	0.20	-58.	-27.	-7.	-14.	47.	-2.	0.09	9.	0.	48.	2.
33254	DEADV3	RESIDU	0.	-0.197	0.	0.089	0.25	-217.	-79.	-16.	-126.	72.	-7.	-0.19	6.	0.	48.	-1.
33254	DEADV3	RESIDU	0.	-0.286	0.	0.129	0.26	-315.	-115.	-24.	-184.	104.	-11.	-0.20	11.	12.	46.	-2.
33254	DEHTPM	RESIDU	0.	-0.070	0.	0.059	0.17	-110.	-28.	-7.	-69.	41.	-2.	-0.09	2.	0.	55.	0.
33254	DESQA3	DISTIL	-0.213	0.	-0.213	0.286	0.20	-474.	-19.	1.	-384.	129.	6.	-0.83	-0.	0.	61.	-4.
33254	DESQA3	DISTIL	-0.376	0.	-0.376	0.505	0.22	-842.	-46.	1.	-683.	217.	13.	-0.90	2.	21.	60.	-10.
33254	DESQA3	RESIDU	-0.213	0.	-0.213	0.286	0.20	-1021.	-80.	-2.	-929.	76.	15.	-2.79	-0.	0.	55.	-2.
33254	DESQA3	RESIDU	-0.376	0.	-0.376	0.505	0.22	-1304.	-141.	-3.	-1641.	135.	27.	-2.94	2.	21.	54.	-6.
33254	GTSCAD	DISTIL	-0.062	0.	-0.062	0.122	0.17	-25.	-10.	0.	14.	55.	5.	0.26	9.	0.	55.	0.
33254	GTRA08	DISTIL	0.	-0.134	0.	0.095	0.27	-57.	-29.	0.	17.	98.	17.	0.40	14.	0.	45.	0.
33254	GTRA12	DISTIL	0.	-0.123	0.	0.095	0.27	-53.	-26.	0.	18.	95.	16.	0.39	13.	0.	46.	0.
33254	GTRA16	DISTIL	0.	-0.111	0.	0.088	0.25	-48.	-23.	0.	17.	88.	15.	0.37	11.	0.	49.	0.
33254	GTR208	DISTIL	0.	-0.088	0.	0.072	0.20	-39.	-16.	1.	13.	73.	13.	0.30	10.	0.	52.	0.
33254	GTR212	DISTIL	0.	-0.095	0.	0.077	0.22	-41.	-18.	1.	14.	78.	14.	0.32	10.	0.	51.	0.
33254	GTR216	DISTIL	0.	-0.096	0.	0.081	0.23	-42.	-19.	1.	15.	80.	14.	0.33	10.	0.	51.	0.
33254	GTRW08	DISTIL	0.	-0.174	0.	0.095	0.27	-73.	-40.	-1.	14.	109.	18.	0.43	17.	0.	42.	-0.
33254	GTRW12	DISTIL	0.	-0.163	0.	0.104	0.29	-69.	-37.	-0.	18.	111.	18.	0.45	17.	0.	41.	-0.
33254	GTRW16	DISTIL	0.	-0.145	0.	0.097	0.27	-62.	-32.	-0.	17.	102.	17.	0.41	14.	0.	44.	-0.
33254	GTR308	DISTIL	0.	-0.137	0.	0.065	0.18	-58.	-30.	0.	7.	83.	15.	0.32	13.	0.	50.	-1.
33254	GTR312	DISTIL	0.	-0.118	0.	0.085	0.24	-51.	-25.	0.	15.	88.	15.	0.36	13.	0.	47.	0.
33254	GTR316	DISTIL	0.	-0.117	0.	0.083	0.23	-50.	-24.	0.	14.	87.	15.	0.36	12.	0.	48.	-0.
33254	FCPADS	DISTIL	0.	-0.193	0.	0.093	0.26	-27.	22.	3.	65.	180.	23.	0.82	9.	0.	60.	-5.
33254	FCPADS	DISTIL	0.	-0.287	0.	0.139	0.28	-45.	29.	4.	93.	264.	32.	0.85	16.	13.	59.	-9.
33254	FCMCDS	DISTIL	0.	-0.161	0.	0.125	0.35	-145.	25.	0.	-52.	184.	20.	0.46	8.	0.	55.	-3.
33254	FCMCDS	DISTIL	0.	-0.190	0.	0.147	0.36	-172.	28.	-0.	-64.	215.	22.	0.46	11.	5.	54.	-4.
33314	STM141	RESIDU	0.	-0.007	0.	0.011	0.09	-2.	-3.	-0.	3.	7.	0.	0.10	0.	0.	56.	0.
33314	STM141	COAL-F	0.	-0.007	0.	0.011	0.09	-2.	-11.	-0.	4.	-0.	2.	0.05	-3.	0.	54.	0.
33314	STM141	COAL-A	0.	-0.007	0.	0.011	0.09	7.	-11.	-0.	13.	-0.	2.	0.13	-2.	0.	51.	0.

NEWELL PAGE PRINTING SYSTEM - P100-2

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 65

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990 LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				-----EMISSIONS SAVINGS-----				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		-----TOTAL-----		-----DIRECT-----		*****TOTAL*****		EMSR	SAVING	TOTAL	COST LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
													SAVED
33314	STN088	RESIDU	0.	-0.005	0.	0.008	0.06	-2.	-2.	-0.	2.	5.	0. 0.07
33314	STN088	COAL-F	0.	-0.005	0.	0.008	0.06	-2.	-10.	-0.	3.	-2.	2. 0.02
33314	STN088	COAL-A	0.	-0.005	0.	0.008	0.06	7.	-10.	-0.	11.	-2.	2. 0.10
33314	PFBSTM	COAL-P	0.	-0.012	0.	0.018	0.15	9.	-14.	1.	19.	3.	4. 0.24
33314	TISTMT	RESIDU	0.	-0.015	0.	0.025	0.21	-5.	-6.	-1.	7.	15.	1. 0.22
33314	TISTMT	COAL	0.	-0.015	0.	0.025	0.21	-5.	-16.	-1.	8.	6.	3. 0.16
33314	TIHRSG	RESIDU	0.	-0.011	0.	0.009	0.08	-4.	-5.	-1.	3.	6.	0. 0.09
33314	TIHRSG	COAL	0.	-0.011	0.	0.009	0.08	-4.	-14.	-1.	3.	-2.	2. 0.03
33314	STIRL	DISTIL	0.	-0.028	0.	0.022	0.19	-2.	-4.	1.	14.	25.	5. 0.41
33314	STIRL	RESIDU	0.	-0.028	0.	0.022	0.19	-10.	-11.	-3.	6.	16.	-1. 0.19
33314	STIRL	COAL	0.	-0.028	0.	0.022	0.19	-10.	-24.	-1.	7.	5.	3. 0.13
33314	HEGT85	COAL-A	0.	-0.070	0.	0.012	0.10	-6.	-49.	-4.	21.	-3.	3. 0.19
33314	HEGT85	COAL-A	0.	-0.215	0.	0.037	0.13	-33.	-136.	-11.	48.	3.	6. 0.21
33314	HEGT60	COAL-A	0.	-0.066	0.	0.016	0.13	-6.	-47.	-3.	21.	-1.	3. 0.21
33314	HEGT60	COAL-A	0.	-0.068	0.	0.016	0.13	-6.	-48.	-3.	21.	-1.	3. 0.21
33314	HEGT00	COAL-A	0.	-0.026	0.	0.008	0.07	1.	-23.	-1.	13.	-3.	2. 0.11
33314	FCMCL	COAL	0.	-0.029	0.	0.033	0.28	13.	14.	2.	32.	49.	7. 0.82
33314	FCSTCL	COAL	0.	-0.037	0.	0.045	0.38	11.	13.	1.	38.	59.	8. 0.97
33314	FCSTCL	COAL	0.	-0.040	0.	0.049	0.39	13.	14.	2.	42.	64.	8. 1.00
33311	IGOTST	COAL	0.	-0.035	0.	0.027	0.23	-12.	-28.	1.	8.	7.	7. 0.20
33314	GTSCAR	RESIDU	-0.036	0.	-0.036	0.065	0.25	-14.	-14.	-0.	7.	22.	4. 0.35
33314	GTAC08	RESIDU	0.	-0.023	0.	0.027	0.23	-23.	-9.	-3.	7.	17.	-1. 0.09
33314	GTAC12	RESIDU	0.	-0.030	0.	0.033	0.28	-27.	-12.	-3.	7.	21.	-1. 0.13
33314	GTAC16	RESIDU	0.	-0.035	0.	0.037	0.31	-30.	-14.	-4.	7.	24.	-1. 0.15
33314	GTWC16	RESIDU	0.	-0.039	0.	0.035	0.29	-33.	-16.	-4.	9.	24.	-1. 0.12
33314	CC1626	RESIDU	0.	-0.044	0.	0.038	0.32	-33.	-18.	-4.	7.	26.	-1. 0.17
33314	CC1626	RESIDU	0.	-0.061	0.	0.052	0.35	-46.	-24.	-6.	10.	36.	-1. 0.18
33314	CC1622	RESIDU	0.	-0.042	0.	0.040	0.34	-33.	-17.	-4.	7.	27.	-1. 0.18
33314	CC1622	RESIDU	0.	-0.053	0.	0.049	0.36	-40.	-21.	-5.	8.	33.	-1. 0.19
33314	CC1222	RESIDU	0.	-0.042	0.	0.040	0.34	-33.	-17.	-4.	7.	27.	-1. 0.18
33314	CC1222	RESIDU	0.	-0.052	0.	0.049	0.36	-40.	-21.	-5.	8.	33.	-1. 0.19
33314	CC0822	RESIDU	0.	-0.038	0.	0.042	0.35	-32.	-15.	-4.	6.	27.	-1. 0.19
33314	STIG15	RESIDU	0.	-0.068	0.	0.014	0.12	-41.	-27.	-2.	15.	16.	0. 0.01
33314	STIG15	RESIDU	0.	-2.309	0.	0.483	0.17	-1394.	-924.	-69.	513.	534.	4. 0.01
33314	STIG10	RESIDU	0.	-0.062	0.	0.020	0.17	-40.	-25.	-2.	14.	18.	1. 0.05
33314	STIG10	RESIDU	0.	-0.194	0.	0.064	0.22	-125.	-78.	-5.	44.	58.	2. 0.06
33314	STIG15	RESIDU	0.	-0.059	0.	0.023	0.20	-40.	-24.	-1.	14.	20.	1. 0.06
33314	STIG15	RESIDU	0.	-0.109	0.	0.043	0.23	-74.	-43.	-3.	26.	36.	2. 0.07
33314	DEADV3	RESIDU	0.	-0.054	0.	0.028	0.24	-61.	-21.	-5.	35.	22.	-2. -0.14
33314	DEADV3	RESIDU	0.	-0.112	0.	0.059	0.29	-128.	-45.	-10.	74.	46.	-4. -0.17
33314	DEHTPM	RESIDU	0.	-0.035	0.	0.038	0.32	-55.	-14.	-4.	32.	25.	-1. -0.07
33314	DESOA3	DISTIL	-0.058	0.	-0.058	0.082	0.20	-135.	-2.	0.	109.	40.	1. -0.72
33314	DESOA3	DISTIL	-0.142	0.	-0.142	0.200	0.25	-333.	-15.	0.	270.	89.	5. -0.87
33314	DESOA3	RESIDU	-0.058	0.	-0.058	0.082	0.20	-293.	-22.	-0.	267.	23.	4. -2.55
33314	DESOA3	RESIDU	-0.142	0.	-0.142	0.200	0.25	-714.	-53.	-1.	650.	56.	11. -2.87
33314	G12AD	DISTIL	-0.030	0.	-0.030	0.060	0.26	-12.	-5.	0.	7.	27.	2. 0.43

ACTUAL PAGE PRINTING SYSTEM - P111-01

DATE 06/08/79

GENERAL ELECTRIC COMPANY

PAGE 66

ISE PEO AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING S*****				- - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****				*****TOTAL*****				*****TOTAL*****			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EMSR SAVING
													TOTAL
													EXPORT
													COST
													LAEC
													SAVED
													MWH
33314	GTRA08	DISTIL	0.	-0.044	0.	0.038	0.32	-18.	-8.	0.	8.	38.	7. 0.49
33314	GTRA08	DISTIL	0.	-0.055	0.	0.046	0.34	-24.	-11.	0.	9.	45.	8. 0.49
33314	GTRA12	DISTIL	0.	-0.043	0.	0.039	0.33	-18.	-8.	0.	9.	38.	7. 0.49
33314	GTRA12	DISTIL	0.	-0.052	0.	0.046	0.35	-23.	-10.	0.	9.	44.	8. 0.50
33314	GTRA16	DISTIL	0.	-0.043	0.	0.039	0.33	-18.	-8.	0.	8.	38.	7. 0.49
33314	GTRA16	DISTIL	0.	-0.048	0.	0.043	0.34	-21.	-9.	0.	9.	42.	7. 0.50
33314	GTR208	DISTIL	0.	-0.040	0.	0.036	0.30	-18.	-7.	1.	7.	36.	6. 0.45
33314	GTR212	DISTIL	0.	-0.043	0.	0.038	0.32	-19.	-8.	0.	7.	38.	7. 0.48
33314	GTR216	DISTIL	0.	-0.043	0.	0.039	0.33	-19.	-8.	0.	8.	38.	7. 0.49
33314	GTR216	DISTIL	0.	-0.043	0.	0.040	0.34	-19.	-8.	0.	8.	39.	7. 0.49
33314	GTRW08	DISTIL	0.	-0.050	0.	0.032	0.27	-20.	-10.	0.	7.	36.	7. 0.46
33314	GTRW08	DISTIL	0.	-0.074	0.	0.046	0.30	-31.	-17.	-0.	8.	50.	8. 0.46
33314	GTRW12	DISTIL	0.	-0.048	0.	0.034	0.29	-19.	-9.	0.	8.	37.	7. 0.47
33314	GTRW12	DISTIL	0.	-0.071	0.	0.051	0.32	-30.	-16.	-0.	9.	52.	9. 0.48
33314	GTRW16	DISTIL	0.	-0.048	0.	0.035	0.29	-19.	-9.	0.	8.	37.	7. 0.47
33314	GTRW16	DISTIL	0.	-0.065	0.	0.048	0.32	-28.	-14.	0.	9.	49.	8. 0.48
33314	GTR308	DISTIL	0.	-0.053	0.	0.029	0.25	-22.	-11.	0.	4.	35.	7. 0.43
33314	GTR308	DISTIL	0.	-0.059	0.	0.033	0.26	-25.	-12.	0.	4.	39.	7. 0.43
33314	GTR312	DISTIL	0.	-0.047	0.	0.035	0.30	-20.	-9.	0.	7.	37.	7. 0.47
33314	GTR312	DISTIL	0.	-0.056	0.	0.042	0.31	-24.	-12.	0.	8.	43.	7. 0.48
33314	GTR316	DISTIL	0.	-0.047	0.	0.035	0.30	-20.	-9.	0.	7.	37.	7. 0.47
33314	GTR316	DISTIL	0.	-0.055	0.	0.041	0.31	-24.	-11.	0.	7.	43.	7. 0.47
33314	FCPADS	DISTIL	0.	-0.055	0.	0.027	0.23	-6.	8.	1.	21.	54.	8. 0.77
33314	FCPADS	DISTIL	0.	-0.143	0.	0.069	0.28	-22.	14.	2.	46.	132.	16. 0.85
33314	FCMCDS	DISTIL	0.	-0.046	0.	0.036	0.30	-40.	9.	1.	-13.	55.	7. 0.45
33314	FCMCDS	DISTIL	0.	-0.095	0.	0.073	0.36	-86.	14.	-0.	-32.	107.	11. 0.46
33315	STM141	RESIDU	0.	-0.010	0.	0.016	0.08	-3.	-4.	-0.	5.	10.	1. 0.08
33315	STM141	COAL-F	0.	-0.010	0.	0.016	0.08	-3.	-17.	-0.	5.	-1.	3. 0.04
33315	STM141	COAL-A	0.	-0.010	0.	0.016	0.08	10.	-17.	-0.	19.	-1.	3. 0.11
33315	STM088	RESIDU	0.	-0.007	0.	0.011	0.06	-2.	-3.	-0.	3.	7.	0. 0.06
33315	STM088	COAL-F	0.	-0.007	0.	0.011	0.06	-2.	-15.	-0.	4.	-3.	3. 0.02
33315	STM088	COAL-A	0.	-0.007	0.	0.011	0.06	11.	-15.	-0.	17.	-3.	3. 0.09
33315	PFBSTN	COAL-P	0.	-0.017	0.	0.027	0.13	13.	-21.	2.	28.	5.	6. 0.21
33315	TISTMT	RESIDU	0.	-0.023	0.	0.037	0.18	-8.	-9.	-1.	11.	23.	1. 0.19
33315	TISTMT	COAL	0.	-0.023	0.	0.037	0.18	-8.	-25.	-1.	12.	10.	5. 0.14
33315	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.07	-6.	-7.	-1.	4.	10.	0. 0.07
33315	TIHRSG	COAL	0.	-0.017	0.	0.014	0.07	-6.	-21.	-1.	4.	-2.	3. 0.03
33315	STIRL	DISTIL	0.	-0.042	0.	0.033	0.16	-3.	-5.	1.	21.	37.	8. 0.36
33315	STIRL	RESIDU	0.	-0.042	0.	0.033	0.16	-15.	-17.	-5.	9.	23.	-2. 0.16
33315	STIRL	COAL	0.	-0.042	0.	0.033	0.16	-15.	-36.	-2.	10.	7.	5. 0.11
33315	HEGT85	COAL-A	0.	-0.129	0.	0.021	0.10	-13.	-88.	-6.	36.	-4.	5. 0.19
33315	HEGT85	COAL-A	0.	-0.333	0.	0.055	0.12	-51.	-211.	-17.	74.	3.	8. 0.21
33315	HEGT60	COAL-A	0.	-0.104	0.	0.024	0.12	-10.	-73.	-5.	32.	-2.	5. 0.18
33315	HEGT00	COAL-A	0.	-0.040	0.	0.012	0.06	2.	-35.	-2.	19.	-5.	3. 0.09
33315	FCMCCL	COAL	0.	-0.043	0.	0.049	0.24	19.	21.	2.	49.	73.	10. 0.71
33315	FCSTCL	COAL	0.	-0.060	0.	0.074	0.36	19.	21.	2.	62.	96.	12. 0.91

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GENERAL ELECTRIC COMPANY

PAGE 67

ISE PEO AES

COGENERATION

TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---			
		ECS *****DIRECT*****				*****TOTAL*****				EMSR SAVING TOTAL COST LAEC			
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
33315	IGGTST	COAL	0.	-0.052	0.	0.040	0.20	-18.	-42.	2.	12.	10.	0.17
33315	GTSCAR	RESIDU	-0.054	0.	-0.054	0.098	0.21	-21.	-20.	-0.	10.	33.	5. 0.29
33315	GTAC08	RESIDU	0.	-0.035	0.	0.040	0.20	-34.	-14.	-4.	-11.	26.	-1. 0.08
33315	GTAC12	RESIDU	0.	-0.045	0.	0.049	0.24	-40.	-18.	-5.	-10.	32.	-1. 0.11
33315	GTAC16	RESIDU	0.	-0.052	0.	0.055	0.27	-45.	-21.	-5.	-11.	36.	-1. 0.13
33315	GTWC16	RESIDU	0.	-0.059	0.	0.052	0.25	-49.	-24.	-6.	-14.	35.	-2. 0.11
33315	CC1626	RESIDU	0.	-0.081	0.	0.069	0.34	-61.	-33.	-7.	-13.	47.	-2. 0.17
33315	CC1626	RESIDU	0.	-0.091	0.	0.078	0.35	-68.	-37.	-8.	-15.	53.	-2. 0.18
33315	CC1622	RESIDU	0.	-0.078	0.	0.072	0.36	-60.	-31.	-7.	-12.	49.	-2. 0.19
33315	CC1622	RESIDU	0.	-0.079	0.	0.073	0.36	-61.	-31.	-7.	-12.	49.	-2. 0.19
33315	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2. 0.19
33315	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2. 0.19
33315	CC0822	RESIDU	0.	-0.057	0.	0.062	0.31	-48.	-23.	-6.	-10.	41.	-1. 0.16
33315	STIG15	RESIDU	0.	-0.124	0.	0.026	0.13	-75.	-50.	-4.	-28.	29.	0. 0.01
33315	STIG15	RESIDU	0.	-3.463	0.	0.724	0.17	-2091.	-1385.	-103.	-770.	801.	7. 0.01
33315	STIG10	RESIDU	0.	-0.113	0.	0.037	0.18	-73.	-45.	-3.	-26.	34.	1. 0.05
33315	STIG10	RESIDU	0.	-0.291	0.	0.096	0.22	-188.	-117.	-8.	-66.	87.	4. 0.06
33315	STIG15	RESIDU	0.	-0.108	0.	0.042	0.21	-74.	-43.	-3.	-26.	36.	2. 0.06
33315	STIG15	RESIDU	0.	-0.163	0.	0.064	0.23	-111.	-65.	-4.	-39.	54.	3. 0.07
33315	DEADV3	RESIDU	0.	-0.098	0.	0.052	0.25	-112.	-39.	-8.	-65.	40.	-3. -0.15
33315	DEADV3	RESIDU	0.	-0.169	0.	0.089	0.29	-193.	-65.	-14.	-111.	69.	-6. -0.17
33315	DEHTPM	RESIDU	0.	-0.053	0.	0.056	0.27	-63.	-21.	-5.	-48.	37.	-1. -0.06
33315	DESCA3	DISTIL	-0.106	0.	-0.106	0.150	0.21	-248.	-6.	0.	-201.	72.	3. -0.76
33315	DESQA3	DISTIL	-0.214	0.	-0.214	0.302	0.25	-502.	-23.	0.	-407.	134.	8. -0.87
33315	DESQA3	RESIDU	-0.106	0.	-0.106	0.150	0.21	-537.	-40.	-1.	-488.	42.	8. -2.64
33315	DESQA3	RESIDU	-0.214	0.	-0.214	0.302	0.25	-1077.	-80.	-2.	-980.	85.	16. -2.87
33315	GTSCAD	DISTIL	-0.045	0.	-0.045	0.091	0.22	-13.	-7.	0.	10.	41.	4. 0.36
33315	GTRA08	DISTIL	0.	-0.081	0.	0.069	0.34	-35.	-17.	0.	14.	67.	11. 0.49
33315	GTRA08	DISTIL	0.	-0.082	0.	0.070	0.34	-36.	-17.	0.	14.	68.	12. 0.49
33315	GTRA12	DISTIL	0.	-0.078	0.	0.069	0.34	-34.	-16.	0.	14.	67.	11. 0.49
33315	GTRA16	DISTIL	0.	-0.072	0.	0.065	0.32	-32.	-14.	1.	13.	63.	11. 0.46
33315	GTR208	DISTIL	0.	-0.060	0.	0.054	0.26	-27.	-10.	1.	10.	53.	10. 0.39
33315	GTR212	DISTIL	0.	-0.064	0.	0.057	0.28	-28.	-12.	1.	11.	57.	10. 0.42
33315	GTR216	DISTIL	0.	-0.065	0.	0.060	0.29	-29.	-12.	1.	12.	58.	10. 0.43
33315	GTRW08	DISTIL	0.	-0.092	0.	0.058	0.28	-38.	-20.	0.	11.	64.	11. 0.46
33315	GTRW08	DISTIL	0.	-0.111	0.	0.070	0.30	-47.	-25.	-0.	11.	76.	13. 0.46
33315	GTRW12	DISTIL	0.	-0.088	0.	0.062	0.30	-36.	-18.	0.	12.	65.	11. 0.48
33315	GTRW12	DISTIL	0.	-0.107	0.	0.076	0.32	-46.	-24.	-0.	14.	78.	13. 0.48
33315	GTRW16	DISTIL	0.	-0.087	0.	0.063	0.31	-36.	-18.	0.	12.	66.	11. 0.48
33315	GTRW16	DISTIL	0.	-0.098	0.	0.071	0.32	-42.	-21.	0.	13.	73.	12. 0.48
33315	GTR308	DISTIL	0.	-0.089	0.	0.049	0.24	-38.	-19.	0.	7.	59.	11. 0.41
33315	GTR312	DISTIL	0.	-0.084	0.	0.063	0.31	-36.	-17.	0.	11.	65.	11. 0.47
33315	GTR316	DISTIL	0.	-0.083	0.	0.062	0.30	-36.	-17.	0.	11.	64.	11. 0.46
33315	FCPADS	DISTIL	0.	-0.101	0.	0.049	0.24	-12.	14.	2.	36.	97.	13. 0.79
33315	FCPADS	DISTIL	0.	-0.215	0.	0.104	0.28	-34.	22.	3.	70.	198.	24. 0.85
33315	FCMCDS	DISTIL	0.	-0.085	0.	0.066	0.32	-74.	15.	1.	-26.	99.	12. 0.46

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GENERAL ELECTRIC COMPANY

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ISE FEG AES

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST

=\$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING***** - - EMISSIONS SAVING - - -												CAPITL--ELECTRIC POWER---				
		*****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		*****		EMSR SAVING	TOTAL EXPORT	COST LAEC	POWER SAVED	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART						
33315	FCMCDS	DISTIL	0.	-0.142	0.	0.110	0.36	-129.	21.	-0.	-48.	161.	17.	0.46	7.	10.	52.	-4.
33316	STM141	RESIDU	0.	-0.010	0.	0.016	0.09	-3.	-4.	-0.	5.	10.	1.	0.09	1.	0.	55.	0.
33316	STM141	COAL-F	0.	-0.010	0.	0.016	0.09	-3.	-17.	-0.	5.	-1.	3.	0.05	-3.	0.	52.	0.
33316	STM141	COAL-A	0.	-0.010	0.	0.016	0.09	10.	-17.	-0.	19.	-1.	3.	0.13	-2.	0.	49.	1.
33316	STM088	RESIDU	0.	-0.007	0.	0.011	0.06	-2.	-3.	-0.	3.	7.	0.	0.06	1.	0.	57.	0.
33316	STM088	COAL-F	0.	-0.007	0.	0.011	0.06	-2.	-15.	-0.	4.	-3.	3.	0.02	-3.	0.	53.	0.
33316	STM088	COAL-A	0.	-0.007	0.	0.011	0.06	11.	-15.	-0.	17.	-3.	3.	0.10	-2.	0.	50.	1.
33316	PFBSTM	COAL-P	0.	-0.017	0.	0.027	0.15	13.	-21.	2.	28.	5.	6.	0.23	-4.	0.	52.	1.
33316	TISTMT	RESIDU	0.	-0.023	0.	0.037	0.20	-8.	-9.	-1.	11.	23.	1.	0.21	-15.	0.	79.	-2.
33316	TISTMT	COAL	0.	-0.023	0.	0.037	0.20	-8.	-25.	-1.	12.	10.	5.	0.15	-21.	0.	83.	-1.
33316	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.08	-6.	-7.	-1.	4.	10.	0.	0.03	-15.	0.	85.	-2.
33316	TIHRSG	COAL	0.	-0.017	0.	0.014	0.08	-6.	-21.	-1.	4.	-2.	3.	0.03	-21.	0.	86.	-2.
33316	STIRL	DISTIL	0.	-0.042	0.	0.033	0.18	-3.	-5.	1.	21.	37.	8.	0.40	3.	0.	52.	-0.
33316	STIRL	RESIDU	0.	-0.042	0.	0.033	0.18	-15.	-17.	-5.	9.	23.	-2.	0.18	3.	0.	46.	1.
33316	STIRL	COAL	0.	-0.042	0.	0.033	0.18	-15.	-36.	-2.	10.	7.	5.	0.13	-3.	0.	48.	1.
33316	HEGT85	COAL-A	0.	-0.112	0.	0.018	0.10	-10.	-78.	-6.	33.	-5.	4.	0.19	-25.	0.	94.	-2.
33316	HEGT85	COAL-A	0.	-0.333	0.	0.055	0.12	-51.	-211.	-17.	74.	3.	8.	0.21	-36.	24.	67.	-6.
33316	HEGT60	COAL-A	0.	-0.104	0.	0.024	0.13	-10.	-73.	-5.	32.	-2.	5.	0.21	-20.	0.	81.	-1.
33316	HEGT00	COAL-A	0.	-0.040	0.	0.012	0.06	2.	-35.	-2.	19.	-5.	3.	0.10	-11.	0.	67.	-0.
33316	FCMCCL	COAL	0.	-0.043	0.	0.049	0.27	19.	21.	2.	49.	73.	10.	0.79	-11.	0.	61.	0.
33316	FCSTCL	COAL	0.	-0.058	0.	0.072	0.39	18.	21.	2.	60.	93.	12.	0.99	-11.	0.	60.	0.
33316	FCSTCL	COAL	0.	-0.060	0.	0.074	0.39	19.	21.	2.	62.	96.	12.	1.00	-11.	0.	58.	1.
33316	IGGTST	COAL	0.	-0.052	0.	0.040	0.22	-18.	-42.	2.	12.	10.	10.	0.19	-10.	0.	61.	0.
33316	GTSCAR	RESIDU	-0.054	0.	-0.054	0.098	0.24	-21.	-20.	-0.	10.	33.	5.	0.33	4.	0.	40.	1.
33316	GTAC08	RESIDU	0.	-0.035	0.	0.040	0.22	-34.	-14.	-4.	-11.	26.	-1.	0.08	4.	0.	42.	1.
33316	GTAC12	RESIDU	0.	-0.045	0.	0.049	0.27	-40.	-18.	-5.	-10.	32.	-1.	0.12	5.	0.	37.	1.
33316	GTAC16	RESIDU	0.	-0.052	0.	0.055	0.30	-45.	-21.	-5.	-11.	36.	-1.	0.14	5.	0.	35.	1.
33316	GTWC16	RESIDU	0.	-0.059	0.	0.052	0.28	-49.	-24.	-6.	-14.	35.	-2.	0.12	5.	0.	36.	1.
33316	CC1626	RESIDU	0.	-0.070	0.	0.060	0.32	-53.	-28.	-6.	-11.	41.	-2.	0.17	6.	0.	35.	1.
33316	CC1626	RESIDU	0.	-0.091	0.	0.078	0.35	-68.	-37.	-8.	-15.	53.	-2.	0.18	9.	4.	32.	1.
33316	CC1622	RESIDU	0.	-0.067	0.	0.063	0.34	-52.	-27.	-6.	-11.	42.	-1.	0.18	6.	0.	33.	1.
33316	CC1622	RESIDU	0.	-0.079	0.	0.073	0.36	-61.	-31.	-7.	-12.	49.	-2.	0.19	8.	2.	31.	1.
33316	CC1222	RESIDU	0.	-0.067	0.	0.063	0.34	-52.	-27.	-6.	-10.	42.	-1.	0.18	6.	0.	32.	1.
33316	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2.	0.19	8.	2.	30.	1.
33316	CC0822	RESIDU	0.	-0.057	0.	0.052	0.34	-48.	-23.	-6.	-10.	41.	-1.	0.18	6.	0.	32.	1.
33316	STIG15	RESIDU	0.	-0.108	0.	0.022	0.12	-65.	-43.	-3.	-24.	25.	0.	0.01	5.	0.	47.	-1.
33316	STIG15	RESIDU	0.	-3.463	0.	0.724	0.17	-2091.	-1385.	-103.	-770.	801.	7.	0.01	269.	381.	38.	-57.
33316	STIG10	RESIDU	0.	-0.099	0.	0.032	0.18	-63.	-39.	-3.	-22.	29.	1.	0.05	6.	0.	42.	-0.
33316	STIG10	RESIDU	0.	-0.291	0.	0.096	0.22	-188.	-117.	-8.	-66.	87.	4.	0.06	24.	24.	37.	-3.
33316	STIG15	RESIDU	0.	-0.093	0.	0.037	0.20	-64.	-37.	-2.	-23.	31.	2.	0.06	6.	0.	40.	0.
33316	STIG15	RESIDU	0.	-0.133	0.	0.064	0.23	-111.	-65.	-4.	-39.	54.	3.	0.07	13.	9.	36.	-1.
33316	DEADV3	RESIDU	0.	-0.085	0.	0.045	0.24	-97.	-34.	-7.	-56.	35.	-3.	-0.14	2.	0.	45.	-0.
33316	DEADV3	RESIDU	0.	-0.169	0.	0.089	0.29	-193.	-68.	-14.	-111.	69.	-6.	-0.17	6.	12.	42.	-1.
33316	DEHTFM	RESIDU	0.	-0.053	0.	0.056	0.31	-83.	-21.	-5.	-48.	37.	-1.	-0.07	2.	0.	41.	1.
33316	DESGA3	DISTIL	-0.092	0.	-0.092	0.130	0.21	-214.	-3.	0.	-173.	63.	2.	-0.73	-0.	0.	58.	-2.
33316	DESGA3	DISTIL	-0.214	0.	-0.214	0.302	0.25	-502.	-23.	0.	-407.	134.	8.	-0.87	1.	16.	55.	-5.

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GENERAL ELECTRIC COMPANY

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING*****				*****EMISSIONS*****				*****SAVINGS*****				CAPITL--ELECTRIC POWER---			
		*****DIRECT*****		*****TOTAL*****		*****FESR*****		*****DIRECT*****		*****TOTAL*****		*****TOTAL*****		EMSR SAVING	TOTAL	COST	LAEC
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART		EXPORT		SAVED
33316	DESQA3	RESIDU	-0.092	0.	-0.092	0.130	0.21	-464.	-35.	-1.	-422.	36.	7.	-2.57	-0.	52.	-1.
33316	DESQA3	RESIDU	-0.214	0.	-0.214	0.302	0.25	-1077.	-80.	-2.	-980.	85.	16.	-2.87	1.	49.	-3.
33316	GTSQAD	DISTIL	-0.045	0.	-0.045	0.091	0.25	-19.	-7.	0.	10.	41.	4.	0.40	5.	43.	0.
33316	GTRA08	DISTIL	0.	-0.070	0.	0.060	0.32	-30.	-13.	1.	13.	59.	10.	0.49	5.	39.	-0.
33316	GTRA08	DISTIL	0.	-0.082	0.	0.070	0.34	-36.	-17.	0.	14.	68.	12.	0.49	7.	37.	-0.
33316	GTRA12	DISTIL	0.	-0.069	0.	0.061	0.33	-29.	-13.	1.	13.	60.	10.	0.50	5.	38.	0.
33316	GTRA12	DISTIL	0.	-0.078	0.	0.069	0.34	-34.	-16.	0.	14.	67.	11.	0.50	7.	36.	0.
33316	GTRA16	DISTIL	0.	-0.068	0.	0.062	0.34	-30.	-13.	1.	13.	60.	10.	0.49	5.	39.	0.
33316	GTRA16	DISTIL	0.	-0.072	0.	0.065	0.34	-32.	-14.	1.	13.	63.	11.	0.50	6.	37.	0.
33316	GTR208	DISTIL	0.	-0.060	0.	0.054	0.29	-27.	-10.	1.	10.	53.	10.	0.44	6.	39.	0.
33316	GTR212	DISTIL	0.	-0.064	0.	0.057	0.31	-28.	-12.	1.	11.	57.	10.	0.46	6.	38.	0.
33316	GTR216	DISTIL	0.	-0.065	0.	0.060	0.33	-29.	-12.	1.	12.	58.	10.	0.48	5.	37.	0.
33316	GTRW08	DISTIL	0.	-0.080	0.	0.050	0.27	-32.	-16.	0.	10.	57.	10.	0.46	5.	43.	-1.
33316	GTRW08	DISTIL	0.	-0.111	0.	0.070	0.30	-47.	-25.	-0.	11.	76.	13.	0.46	9.	39.	-1.
33316	GTRW12	DISTIL	0.	-0.076	0.	0.054	0.29	-30.	-15.	0.	12.	58.	10.	0.47	5.	42.	-0.
33316	GTRW12	DISTIL	0.	-0.107	0.	0.076	0.32	-46.	-24.	-0.	14.	78.	13.	0.48	9.	38.	-1.
33316	GTRW16	DISTIL	0.	-0.075	0.	0.055	0.30	-31.	-15.	0.	12.	58.	10.	0.48	5.	42.	-0.
33316	GTRW16	DISTIL	0.	-0.098	0.	0.071	0.32	-42.	-21.	0.	13.	73.	12.	0.48	8.	39.	-1.
33316	GTR308	DISTIL	0.	-0.084	0.	0.046	0.25	-36.	-17.	0.	7.	56.	10.	0.43	6.	42.	-0.
33316	GTR308	DISTIL	0.	-0.089	0.	0.049	0.26	-38.	-19.	0.	7.	59.	11.	0.43	7.	40.	-0.
33316	GTR312	DISTIL	0.	-0.074	0.	0.056	0.30	-31.	-15.	1.	11.	58.	10.	0.47	6.	39.	-0.
33316	GTR312	DISTIL	0.	-0.084	0.	0.063	0.31	-36.	-17.	0.	11.	65.	11.	0.48	7.	37.	-0.
33316	GTR316	DISTIL	0.	-0.075	0.	0.055	0.30	-32.	-15.	1.	11.	58.	10.	0.47	5.	40.	-0.
33316	GTR316	DISTIL	0.	-0.083	0.	0.062	0.31	-36.	-17.	0.	11.	64.	11.	0.47	7.	38.	-0.
33316	FCPADS	DISTIL	0.	-0.088	0.	0.042	0.23	-10.	13.	2.	32.	85.	12.	0.77	3.	59.	-2.
33316	FCPADS	DISTIL	0.	-0.215	0.	0.104	0.28	-34.	22.	3.	70.	196.	24.	0.85	10.	56.	-7.
33316	FCMCDS	DISTIL	0.	-0.073	0.	0.057	0.31	-63.	14.	1.	-21.	87.	11.	0.45	3.	54.	-2.
33316	FCMCDS	DISTIL	0.	-0.142	0.	0.110	0.36	-129.	21.	-0.	-48.	161.	17.	0.46	7.	52.	-4.
33	FCMCDS	DISTIL	-12.312	-73.143	-12.312	54.860	1.27	-68006.	-25902.	-1853.	-26886.	43855.	5385.	0.11	4157.	1676.	19274.
ALL	FCMCDS	DISTIL	-74.369	*****	-74.369	771.823	14.96	*****	*****	-23343.	-46283.	649967.	94009.	0.29	69694.	123090.	216749.

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

6.1 - FUEL & EMISSIONS SAVINGS - NATIONALLY

DATE 06/21/79

ISE PEO AES

GENERAL ELECTRIC COMPANY

PAGE 1

COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST = \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

		*****FUEL SAVINGS***** - - EMISSIONS SAVINGS - -										CAPITL--ELECTRIC POWER---						
PROCS	ECS	ECS *****DIRECT*****	TOTAL-----FESR	*****DIRECT-----*****	TOTAL*****	EMSR SAVING	TOTAL COST	LAEC										
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX SOX	PART	NOX SOX	PART										
										EXPORT	SAVED							
										MWH								
20	STM141	COAL-A	0.	-0.107	0.	0.177	0.43	58.	-132.	-5.	152.	34.	25.	0.37	-2204.	9.	-1488.	-421.
22	STM141	COAL-A	0.	-0.004	0.	0.007	0.14	4.	-7.	-0.	8.	0.	1.	0.32	1.	0.	4.	33.
24	STM141	COAL-A	0.	-0.018	0.	0.250	0.82	-2.	-11.	-1.	84.	135.	15.	0.79	-4401.	2.	-1288.	-675.
26	STM141	COAL-A	0.	-0.043	0.	0.071	0.13	26.	-55.	-2.	64.	12.	11.	0.34	444.	1.	247.	408.
28	STM141	COAL-A	0.	-0.182	0.	0.302	0.51	226.	-342.	-9.	390.	-42.	66.	0.27	748.	16.	756.	2131.
29	STM141	COAL-A	0.	-0.025	0.	0.041	0.10	30.	-46.	-1.	53.	-5.	9.	0.28	272.	1.	148.	343.
33	STM141	COAL-A	0.	-0.006	0.	0.010	0.01	6.	-10.	-0.	11.	-0.	2.	0.08	43.	0.	-17.	61.
ALL	STM141	COAL-A	0.	-0.454	0.	1.010	0.19	409.	-710.	-23.	896.	156.	151.	0.29	-6032.	36.	-1927.	2212.
20	STM141	COAL-F	0.	-0.107	0.	0.177	0.43	-37.	-132.	-5.	57.	34.	25.	0.20	-4383.	9.	-2139.	-850.
22	STM141	COAL-F	0.	-0.004	0.	0.007	0.14	-2.	-7.	-0.	2.	0.	1.	0.14	-74.	0.	-14.	22.
24	STM141	COAL-F	0.	-0.018	0.	0.250	0.82	-6.	-11.	-1.	80.	135.	15.	0.77	-6867.	2.	-1989.	-1128.
26	STM141	COAL-F	0.	-0.043	0.	0.071	0.13	-15.	-55.	-2.	23.	12.	11.	0.18	-70.	1.	130.	344.
28	STM141	COAL-F	0.	-0.182	0.	0.302	0.51	-64.	-342.	-9.	101.	-42.	66.	0.09	-1777.	16.	174.	1805.
29	STM141	COAL-F	0.	-0.025	0.	0.041	0.10	-9.	-46.	-1.	14.	-5.	9.	0.09	-33.	1.	81.	307.
33	STM141	COAL-F	0.	-0.006	0.	0.010	0.01	-2.	-10.	-0.	3.	-0.	2.	0.03	-102.	0.	-51.	42.
ALL	STM141	COAL-F	0.	-0.454	0.	1.010	0.19	-159.	-710.	-23.	328.	156.	151.	0.12	-15654.	36.	-4480.	639.
20	STM141	RESIDU	0.	-0.107	0.	0.177	0.43	-37.	-43.	-5.	53.	110.	7.	0.30	2473.	9.	-336.	-267.
22	STM141	RESIDU	0.	-0.004	0.	0.007	0.14	-2.	-2.	-0.	2.	5.	0.	0.24	79.	0.	21.	10.
24	STM141	RESIDU	0.	-0.018	0.	0.250	0.82	-6.	-7.	-1.	80.	139.	14.	0.78	604.	2.	50.	203.
26	STM141	RESIDU	0.	-0.043	0.	0.071	0.13	-15.	-17.	-2.	21.	44.	3.	0.27	838.	1.	297.	205.
28	STM141	RESIDU	0.	-0.182	0.	0.302	0.51	-64.	-73.	-9.	91.	186.	12.	0.19	3418.	16.	690.	639.
29	STM141	RESIDU	0.	-0.025	0.	0.041	0.10	-9.	-10.	-1.	12.	25.	2.	0.20	525.	1.	197.	125.
33	STM141	RESIDU	0.	-0.006	0.	0.010	0.01	-2.	-2.	-0.	3.	6.	0.	0.06	143.	0.	-188.	28.
ALL	STM141	RESIDU	0.	-0.454	0.	1.010	0.19	-159.	-181.	-23.	309.	605.	46.	0.22	9507.	36.	859.	1109.
20	STM088	COAL-A	0.	-0.093	0.	0.155	0.38	68.	-131.	-5.	150.	16.	25.	0.34	-2774.	6.	-1637.	-383.
22	STM088	COAL-A	0.	-0.004	0.	0.006	0.11	4.	-7.	-0.	8.	-1.	1.	0.28	-26.	0.	-5.	34.
24	STM088	COAL-A	0.	-0.005	0.	0.184	0.61	-0.	-3.	-0.	61.	100.	11.	0.58	-5080.	0.	-1555.	-836.
26	STM088	COAL-A	0.	-0.032	0.	0.054	0.10	28.	-50.	-2.	57.	2.	10.	0.28	232.	0.	157.	359.
28	STM088	COAL-A	0.	-0.086	0.	0.142	0.24	156.	-208.	-4.	235.	-60.	40.	0.22	-185.	6.	221.	1274.
29	STM088	COAL-A	0.	-0.017	0.	0.029	0.07	33.	-43.	-1.	49.	-13.	8.	0.22	150.	0.	90.	320.
33	STM088	COAL-A	0.	-0.004	0.	0.006	0.00	7.	-9.	-0.	10.	-3.	2.	0.06	-16.	0.	-45.	52.
ALL	STM088	COAL-A	0.	-0.262	0.	0.626	0.12	322.	-490.	-13.	621.	46.	106.	0.24	-8377.	13.	-3018.	892.
20	STM088	COAL-F	0.	-0.093	0.	0.155	0.38	-33.	-131.	-5.	50.	16.	25.	0.16	-4614.	6.	-2210.	-769.

HONEYWELL PAGE PRINTING SYSTEM 4-2118-2

DATE 06/21/79

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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY

PAGE 2

FUEL UNITS *
EMISSION UNITS*
COST *\$*10**9REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				CAPITL--ELECTRIC POWER---								
		ECS *****DIRECT*****	TOTAL----	FESR	-----DIRECT-----	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC	EXPORT	SAVED					
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART			MWH					
22	STM088	COAL-F	0.	-0.004	0.	0.006	0.11	-1.	-7.	-0.	2.	-1.	1.	0.09	-96.	0.	-22.	24.
24	STM088	COAL-F	0.	-0.005	0.	0.184	0.61	-2.	-3.	-0.	59.	100.	11.	0.58	-7042.	0.	-2145.	-1227.
26	STM088	COAL-F	0.	-0.032	0.	0.054	0.10	-11.	-50.	-2.	17.	2.	10.	0.12	-229.	0.	54.	303.
28	STM088	COAL-F	0.	-0.086	0.	0.142	0.24	-30.	-208.	-4.	49.	-60.	40.	0.05	-1597.	6.	-98.	1099.
29	STM088	COAL-F	0.	-0.017	0.	0.029	0.07	-6.	-43.	-1.	10.	-13.	8.	0.03	-132.	0.	30.	288.
33	STM088	COAL-F	0.	-0.004	0.	0.006	0.00	-1.	-9.	-0.	2.	-3.	2.	0.01	-162.	0.	-78.	33.
ALL	STM088	COAL-F	0.	-0.262	0.	0.626	0.12	-92.	-490.	-13.	206.	46.	106.	0.07	-15091.	13.	-4863.	-270.
20	STM088	RESIDU	0.	-0.093	0.	0.155	0.38	-33.	-37.	-5.	46.	96.	6.	0.26	2645.	6.	-307.	-153.
22	STM088	RESIDU	0.	-0.004	0.	0.006	0.11	-1.	-1.	-0.	2.	4.	0.	0.20	65.	0.	17.	10.
24	STM088	RESIDU	0.	-0.005	0.	0.184	0.61	-2.	-2.	-0.	59.	101.	11.	0.58	616.	0.	-124.	155.
26	STM088	RESIDU	0.	-0.032	0.	0.054	0.10	-11.	-13.	-2.	16.	33.	2.	0.21	701.	0.	216.	176.
28	STM088	RESIDU	0.	-0.086	0.	0.142	0.24	-30.	-34.	-4.	43.	88.	6.	0.15	1749.	6.	161.	343.
29	STM088	RESIDU	0.	-0.017	0.	0.029	0.07	-6.	-7.	-1.	9.	18.	1.	0.14	413.	0.	135.	102.
33	STM088	RESIDU	0.	-0.004	0.	0.006	0.00	-1.	-1.	-0.	2.	4.	0.	0.04	111.	0.	-247.	20.
ALL	STM088	RESIDU	0.	-0.262	0.	0.626	0.12	-92.	-105.	-13.	192.	373.	29.	0.17	6853.	13.	-162.	711.
20	PFBSTM	COAL-P	0.	-0.130	0.	0.211	0.52	67.	-134.	8.	179.	61.	39.	0.49	-5468.	17.	-2352.	-1115.
22	PFBSTM	COAL-P	0.	-0.006	0.	0.009	0.18	4.	-7.	1.	9.	2.	2.	0.46	-49.	1.	-8.	15.
24	PFBSTM	COAL-P	0.	-0.067	0.	0.227	0.75	-4.	-41.	-1.	90.	120.	17.	0.72	-5662.	11.	-1570.	-969.
26	PFBSTM	COAL-P	0.	-0.061	0.	0.095	0.17	30.	-62.	3.	81.	27.	18.	0.48	379.	6.	258.	324.
28	PFBSTM	COAL-P	0.	-0.501	0.	0.697	1.18	649.	-800.	80.	1053.	-70.	251.	0.42	-5868.	49.	-655.	2954.
29	PFBSTM	COAL-P	0.	-0.038	0.	0.058	0.14	32.	-48.	4.	64.	8.	15.	0.43	345.	5.	188.	273.
33	PFBSTM	COAL-P	0.	-0.012	0.	0.017	0.01	7.	-12.	1.	16.	4.	4.	0.17	45.	0.	-6.	64.
ALL	PFBSTM	COAL-P	0.	-1.081	0.	1.744	0.33	1041.	-1464.	127.	1980.	203.	457.	0.43	-21593.	118.	-5498.	2051.
20	TISTMT	COAL	0.	-0.145	0.	0.231	0.56	-51.	-135.	-7.	72.	78.	25.	0.31	-25821.	22.	-7207.	-3988.
22	TISTMT	COAL	0.	-0.007	0.	0.011	0.20	-2.	-7.	-0.	3.	3.	1.	0.27	-501.	1.	-109.	-47.
24	TISTMT	COAL	0.	-0.086	0.	0.232	0.77	-30.	-52.	-4.	72.	122.	15.	0.65	-19809.	15.	-4833.	-2839.
26	TISTMT	COAL	0.	-0.071	0.	0.112	0.20	-25.	-65.	-4.	35.	39.	12.	0.31	-2350.	9.	-298.	-24.
28	TISTMT	COAL	0.	-0.366	0.	0.578	0.98	-128.	-399.	-18.	182.	145.	73.	0.23	-16940.	58.	-2698.	-523.
29	TISTMT	COAL	0.	-0.044	0.	0.069	0.17	-15.	-48.	-2.	22.	17.	9.	0.24	-1289.	7.	-133.	58.
33	TISTMT	COAL	0.	-0.015	0.	0.024	0.02	-5.	-14.	-1.	8.	8.	3.	0.13	-851.	0.	-192.	-32.
ALL	TISTMT	COAL	0.	-0.946	0.	1.621	0.30	-331.	-928.	-47.	508.	630.	177.	0.25	-87021.	145.	-19926.	-9527.
20	TISTMT	RESIDU	0.	-0.135	0.	0.216	0.53	-47.	-54.	-7.	55.	134.	9.	0.39	-16964.	20.	-4991.	-3075.

HONEYWELL PAPER PRINTING SYSTEM - PLUS 8

DATE 06/21/79
ISE PEO AES

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

PAGE 3

FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				CAPITL--ELECTRIC POWER---				
		ECS ****DIRECT****	TOTAL	FESR	DIRECT	TOTAL	NOX	SOX	PART	EMSR SAVING	TOTAL EXPORT	COST LAEC SAVED		
		FUEL OIL+GAS	COAL OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART	MWH		
22	TISTMT	RESIDU	0.	-0.007	0.	0.011	0.20	-2.	-3.	-0.	3.	7.	0. 0.36 -335.	1. -75. -54.
24	TISTMT	RESIDU	0.	-0.002	0.	0.003	0.01	-1.	-1.	-0.	1.	2.	0. 0.03 -379.	0. -239. -74.
26	TISTMT	RESIDU	0.	-0.065	0.	0.103	0.19	-23.	-26.	-3.	31.	64.	4. 0.35 -1551.	6. -209. -138.
28	TISTMT	RESIDU	0.	-0.350	0.	0.552	0.94	-122.	-140.	-17.	165.	343.	22. 0.31-10616.	54. -2174. -1440.
29	TISTMT	RESIDU	0.	-0.044	0.	0.069	0.17	-15.	-18.	-2.	21.	43.	3. 0.33 -750.	7. -53. -90.
33	TISTMT	RESIDU	0.	-0.014	0.	0.022	0.01	-5.	-6.	-1.	7.	14.	1. 0.12 -680.	0. -430. -71.
ALL	TISTMT	RESIDU	0.	-0.868	0.	1.374	0.26	-304.	-347.	-43.	411.	853.	55. 0.32-43999.	124. -11497. -6952.
20	TIHRSG	COAL	0.	-0.105	0.	0.123	0.30	-37.	-141.	-5.	40.	-5.	24. 0.10-36321.	5. -9470. -4733.
22	TIHRSG	COAL	0.	-0.006	0.	0.006	0.11	-2.	-8.	-0.	2.	-1.	1. 0.08 -729.	0. -170. -67.
24	TIHRSG	COAL	0.	-0.089	0.	0.183	0.60	-31.	-54.	-4.	56.	95.	12. 0.52-31905.	7. -7716. -4387.
26	TIHRSG	COAL	0.	-0.067	0.	0.056	0.10	-23.	-70.	-3.	17.	1.	10. 0.11 -3661.	1. -738. -157.
28	TIHRSG	COAL	0.	-1.355	0.	0.488	0.83	-474.	-1368.	-68.	140.	-277.	152. 0.10-72137.	101. -15953. -6051.
29	TIHRSG	COAL	0.	-0.055	0.	0.030	0.07	-19.	-61.	-3.	9.	-10.	8. 0.03 -2027.	3. -399. -39.
33	TIHRSG	COAL	0.	-0.016	0.	0.010	0.01	-6.	-15.	-1.	3.	0.	2. 0.03 -937.	0. -238. -74.
ALL	TIHRSG	COAL	0.	-2.242	0.	1.185	0.22	-785.	-2274.	-112.	353.	-260.	276. 0.08*****	155. -45929. -20537.
20	TIHRSG	RESIDU	0.	-0.093	0.	0.110	0.27	-33.	-37.	-5.	32.	71.	4. 0.21-23528.	4. -6264. -3332.
22	TIHRSG	RESIDU	0.	-0.006	0.	0.006	0.11	-2.	-2.	-0.	2.	4.	0. 0.19 -514.	0. -123. -72.
24	TIHRSG	RESIDU	0.	-0.002	0.	0.001	0.00	-1.	-1.	-0.	0.	1.	0. 0.01 -360.	0. -229. -61.
26	TIHRSG	RESIDU	0.	-0.056	0.	0.047	0.09	-20.	-22.	-3.	13.	32.	1. 0.16 -2370.	0. -553. -272.
28	TIHRSG	RESIDU	0.	-0.822	0.	0.292	0.50	-288.	-329.	-41.	65.	256.	-8. 0.14-30666.	60. -7895. -5277.
29	TIHRSG	RESIDU	0.	-0.055	0.	0.030	0.07	-19.	-22.	-3.	8.	23.	0. 0.15 -1346.	3. -296. -218.
33	TIHRSG	RESIDU	0.	-0.015	0.	0.009	0.01	-5.	-6.	-1.	2.	7.	0. 0.05 -748.	0. -473. -103.
ALL	TIHRSG	RESIDU	0.	-1.485	0.	0.699	0.13	-520.	-594.	-74.	172.	556.	-4. 0.15-84242.	96. -22404. -13210.
20	STIRL	COAL	0.	-0.187	0.	0.183	0.45	-66.	-153.	-9.	55.	56.	21. 0.22 -1401.	24. -1383. -716.
22	STIRL	COAL	0.	-0.011	0.	0.009	0.16	-4.	-9.	-1.	3.	2.	1. 0.19 -79.	1. -14. 0.
24	STIRL	COAL	0.	-0.159	0.	0.177	0.58	-56.	-96.	-8.	53.	88.	12. 0.47 -1591.	18. -565. -454.
26	STIRL	COAL	0.	-0.112	0.	0.089	0.16	-39.	-88.	-6.	26.	25.	11. 0.22 -544.	11. 88. 139.
28	STIRL	COAL	0.	-0.633	0.	0.470	0.80	-221.	-552.	-32.	140.	78.	68. 0.16 -4191.	70. 135. 779.
29	STIRL	COAL	0.	-0.070	0.	0.051	0.12	-25.	-62.	-4.	15.	7.	8. 0.15 -411.	8. 39. 115.
33	STIRL	COAL	0.	-0.031	0.	0.023	0.01	-11.	-23.	-2.	7.	7.	3. 0.11 -230.	0. -47. 48.
ALL	STIRL	COAL	0.	-1.556	0.	1.296	0.24	-544.	-1272.	-78.	386.	338.	159. 0.17-10927.	171. -2259. -114.
20	STIRL	DISTIL	0.	-0.176	0.	0.172	0.42	-16.	-26.	4.	97.	170.	32. 0.59 4210.	22. -178. -626.

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9
REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE).
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING \$*****				-----EMISSIONS SAVING \$-----				CAPITL--ELECTRIC POWER---				EMSR	SAVING	TOTAL EXPORT	COST LAEC SAVED	
		ECS	****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	NOX	SOX	PART	NOX	SOX	PART					
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART						
22	STIRL	DISTIL	0.	-0.011	0.	0.009	0.16	-1.	-1.	0.	6.	9.	2.	0.57	81.	1.	5.	-31.
24	STIRL	DISTIL	0.	-0.004	0.	0.003	0.01	-0.	-0.	0.	2.	3.	1.	0.05	-118.	0.	-250.	-40.
26	STIRL	DISTIL	0.	-0.105	0.	0.083	0.15	-8.	-14.	3.	53.	93.	19.	0.56	615.	8.	142.	-168.
26	STIRL	DISTIL	0.	-0.608	0.	0.452	0.77	-37.	-70.	18.	311.	536.	115.	0.52	3242.	67.	-153.	-1515.
29	STIRL	DISTIL	0.	-0.070	0.	0.051	0.12	-4.	-8.	2.	36.	61.	13.	0.55	374.	8.	93.	-170.
33	STIRL	DISTIL	0.	-0.028	0.	0.021	0.01	-2.	-3.	1.	14.	25.	5.	0.24	166.	0.	-360.	-35.
ALL	STIRL	DISTIL	0.	-1.408	0.	1.111	0.21	-96.	-171.	39.	729.	1263.	264.	0.53	12052.	149.	-984.	-3633.
20	STIRL	RESIDU	0.	-0.176	0.	0.172	0.42	-61.	-70.	-18.	49.	115.	-5.	0.30	4202.	22.	-51.	-318.
22	STIRL	RESIDU	0.	-0.011	0.	0.009	0.16	-4.	-4.	-1.	2.	6.	-0.	0.27	80.	1.	13.	-11.
24	STIRL	RESIDU	0.	-0.004	0.	0.003	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-118.	0.	-171.	-33.
26	STIRL	RESIDU	0.	-0.105	0.	0.083	0.15	-37.	-42.	-10.	23.	58.	-3.	0.26	613.	8.	220.	28.
26	STIRL	RESIDU	0.	-0.608	0.	0.452	0.77	-213.	-243.	-68.	124.	318.	-30.	0.22	3229.	67.	604.	-312.
29	STIRL	RESIDU	0.	-0.070	0.	0.051	0.12	-25.	-28.	-8.	14.	36.	-4.	0.23	373.	8.	144.	-29.
33	STIRL	RESIDU	0.	-0.028	0.	0.021	0.01	-10.	-11.	-2.	6.	15.	-1.	0.11	166.	0.	-223.	20.
ALL	STIRL	RESIDU	0.	-1.408	0.	1.111	0.21	-493.	-563.	-153.	307.	772.	-60.	0.23	12016.	149.	754.	-920.
20	HEGT85	COAL-A	0.	-0.225	0.	0.158	0.39	-16.	-165.	-11.	109.	49.	17.	0.32	-15338.	27.	-4552.	-2622.
22	HEGT85	COAL-A	0.	-0.022	0.	0.005	0.10	-3.	-14.	-1.	6.	1.	-1.	0.24	-191.	2.	-49.	-51.
24	HEGT85	COAL-A	0.	-0.062	0.	0.015	0.05	-11.	-37.	-3.	13.	5.	1.	0.28	-2111.	7.	-635.	-450.
26	HEGT85	COAL-A	0.	-0.251	0.	0.041	0.08	-41.	-157.	-13.	54.	4.	6.	0.21	-658.	25.	0.	-290.
28	HEGT85	COAL-A	0.	-0.363	0.	0.090	0.15	-52.	-234.	-18.	94.	16.	12.	0.25	-2181.	21.	-246.	-236.
33	HEGT85	COAL-A	0.	-0.051	0.	0.009	0.01	-8.	-32.	-3.	11.	1.	1.	0.21	-586.	4.	-121.	-102.
ALL	HEGT85	COAL-A	0.	-1.031	0.	0.335	0.06	-138.	-677.	-52.	304.	79.	41.	0.24	-22289.	91.	-5928.	-3969.
20	HEGT60	COAL-A	0.	-0.274	0.	0.127	0.31	-14.	-207.	-14.	117.	19.	19.	0.28	-17846.	26.	-5292.	-2977.
22	HEGT60	COAL-A	0.	-0.017	0.	0.005	0.09	-1.	-12.	-1.	6.	0.	1.	0.23	-259.	2.	-63.	-42.
24	HEGT60	COAL-A	0.	-0.239	0.	0.064	0.21	-43.	-143.	-12.	54.	22.	6.	0.27	-8281.	22.	-2195.	-1526.
26	HEGT60	COAL-A	0.	-0.196	0.	0.045	0.08	-23.	-132.	-10.	55.	2.	7.	0.22	-743.	17.	-34.	-117.
28	HEGT60	COAL-A	0.	-0.512	0.	0.110	0.19	-53.	-354.	-26.	149.	-7.	21.	0.20	-5009.	33.	-811.	-524.
29	HEGT60	COAL-A	0.	-0.174	0.	0.003	0.01	-24.	-114.	-9.	33.	-15.	4.	0.11	-230.	15.	10.	-153.
33	HEGT60	COAL-A	0.	-0.191	0.	0.012	0.01	-29.	-122.	-10.	37.	-10.	4.	0.15	-947.	3.	-264.	-122.
ALL	HEGT60	COAL-A	0.	-1.770	0.	0.405	0.08	-207.	-1198.	-89.	498.	12.	67.	0.20	-36769.	130.	-9548.	-6029.
20	HEGT00	COAL-A	0.	-0.215	0.	0.088	0.22	15.	-193.	-11.	115.	-17.	20.	0.21	-16750.	12.	-4829.	-2357.

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COGENERATION TECHNOLOGY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING \$****				- - EMISSIONS SAVING \$ - -				CAPITL--ELECTRIC POWER---			
		ECS ****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED	
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH	
22	HEGT00	COAL-A	0.	-0.012	0.	0.004	0.07	1.	-11.	-1.	6.	-1.	1. 0.19 -273.
24	HEGT00	COAL-A	0.	-0.194	0.	0.105	0.34	-35.	-117.	-10.	61.	46.	8. 0.38-11593.
26	HEGT00	COAL-A	0.	-0.128	0.	0.037	0.07	-2.	-101.	-6.	52.	-7.	8. 0.20 -919.
28	HEGT00	COAL-A	0.	-2.040	0.	0.397	0.68	25.	-1693.	-102.	827.	-290.	136. 0.25-22470.
29	HEGT00	COAL-A	0.	-0.091	0.	0.020	0.05	2.	-77.	-5.	39.	-13.	6. 0.16 -256.
33	HEGT00	COAL-A	0.	-0.034	0.	0.008	0.01	-2.	-26.	-2.	12.	-2.	2. 0.09 -261.
ALL	HEGT00	COAL-A	0.	-3.714	0.	0.902	0.17	5.	-3034.	-186.	1520.	-389.	249. 0.20-71865.
20	FCMCCL	COAL	0.	-0.168	0.	0.174	0.42	67.	76.	9.	178.	269.	37. 1.00-10529.
22	FCMCCL	COAL	0.	-0.010	0.	0.011	0.20	4.	5.	1.	11.	16.	2. 1.00 -162.
26	FCMCCL	COAL	0.	-0.160	0.	0.096	0.18	38.	44.	5.	122.	188.	24. 1.00 -357.
28	FCMCCL	COAL	0.	-0.699	0.	0.751	1.28	289.	330.	38.	761.	1148.	156. 0.97 -5380.
29	FCMCCL	COAL	0.	-0.066	0.	0.075	0.18	29.	33.	4.	75.	112.	15. 1.00 205.
33	FCMCCL	COAL	0.	-0.080	0.	0.033	0.02	13.	15.	2.	50.	78.	10. 0.64 -131.
ALL	FCMCCL	COAL	0.	-1.764	0.	1.700	0.32	657.	751.	85.	1785.	2702.	365. 0.97-24400.
20	FCSTCL	COAL	0.	-0.195	0.	0.232	0.57	47.	54.	6.	186.	292.	37. 1.00 -7677.
22	FCSTCL	COAL	0.	-0.010	0.	0.013	0.24	3.	4.	0.	11.	17.	2. 1.00 -96.
24	FCSTCL	COAL	0.	-0.287	0.	0.048	0.16	0.	1.	-1.	108.	184.	19. 1.00 -5145.
26	FCSTCL	COAL	0.	-0.147	0.	0.121	0.22	27.	30.	3.	114.	180.	22. 1.00 108.
28	FCSTCL	COAL	0.	-0.622	0.	0.726	1.23	191.	218.	24.	629.	972.	126. 0.97 -681.
29	FCSTCL	COAL	0.	-0.070	0.	0.087	0.21	23.	26.	3.	74.	114.	15. 1.00 379.
33	FCSTCL	COAL	0.	-0.083	0.	0.047	0.03	12.	14.	1.	54.	86.	11. 0.80 17.
ALL	FCSTCL	COAL	0.	-2.014	0.	1.812	0.34	432.	493.	54.	1672.	2623.	330. 0.98-18631.
20	IGGTST	COAL	0.	-0.210	0.	0.182	0.39	-73.	-159.	6.	47.	49.	35. 0.27 -9293.
22	IGGTST	COAL	0.	-0.012	0.	0.009	0.17	-4.	-9.	0.	3.	3.	2. 0.25 -125.
26	IGGTST	COAL	0.	-0.189	0.	0.078	0.14	-66.	-135.	4.	20.	14.	24. 0.19 -102.
28	IGGTST	COAL	0.	-0.639	0.	0.439	0.75	-224.	-513.	26.	128.	97.	116. 0.20 -2090.
29	IGGTST	COAL	0.	-0.079	0.	0.059	0.14	-28.	-64.	3.	17.	14.	15. 0.23 145.
33	IGGTST	COAL	0.	-0.154	0.	0.023	0.01	-54.	-107.	2.	4.	-8.	16. 0.10 -277.
ALL	IGGTST	COAL	0.	-1.839	0.	1.104	0.21	-644.	-1415.	61.	315.	241.	297. 0.21-16837.
20	GTSOAR	RESIDU	-0.189	0.	-0.189	0.369	0.44	-76.	-71.	-2.	43.	131.	20. 0.43 3710.
													23. -181. -381.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1 FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE POSITIVE)

EMISSION UNITS =

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				CAPITL--ELECTRIC POWER---							
		*****DIRECT*****		TOTAL----		FESR		DIRECT-----		TOTAL*****		EMSR	SAVING	TOTAL	COST	LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART	EXPORT		SAVED	
														MWH			
22	GTSCAR	RESIDU	-0.011	0.	-0.011	0.021	0.18	-4.	-4.	-0.	2.	7.	1.	0.42	143.	29.	-5.
24	GTSCAR	RESIDU	-0.005	0.	-0.005	0.009	0.01	-1.	-2.	-0.	2.	3.	0.	0.06	-147.	0.	-33.
26	GTSCAR	RESIDU	-0.117	0.	-0.117	0.211	0.17	-39.	-44.	-1.	29.	71.	12.	0.44	1275.	11.	395.
28	GTSCAR	RESIDU	-1.067	0.	-1.067	1.700	1.08	-377.	-402.	-9.	170.	528.	92.	0.39	9793.	129.	2264.
29	GTSCAR	RESIDU	-0.088	0.	-0.088	0.148	0.15	-33.	-33.	-1.	15.	48.	8.	0.41	906.	11.	275.
33	GTSCAR	RESIDU	-0.041	0.	-0.041	0.070	0.02	-12.	-16.	-0.	11.	23.	4.	0.22	500.	0.	-88.
ALL	GTSCAR	RESIDU	-2.202	0.	-2.202	3.663	0.27	-784.	-829.	-18.	394.	1175.	199.	0.40	23440.	255.	3653.
20	GTAC08	RESIDU	0.	-0.164	0.	0.180	0.44	-156.	-65.	-19.	-46.	118.	-5.	0.12	4513.	19.	129.
22	GTAC08	RESIDU	0.	-0.009	0.	0.010	0.19	-9.	-4.	-1.	-3.	7.	-0.	0.12	144.	1.	34.
24	GTAC08	RESIDU	0.	-0.003	0.	0.004	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-109.	0.	-162.
26	GTAC08	RESIDU	0.	-0.088	0.	0.100	0.18	-72.	-35.	-9.	-13.	65.	-1.	0.16	1250.	8.	428.
28	GTAC08	RESIDU	0.	-0.641	0.	0.726	1.23	-623.	-256.	-74.	-188.	472.	-19.	0.12	8751.	97.	2671.
29	GTAC08	RESIDU	0.	-0.060	0.	0.069	0.17	-60.	-24.	-7.	-18.	45.	-2.	0.12	895.	9.	321.
33	GTAC08	RESIDU	0.	-0.023	0.	0.027	0.02	-17.	-9.	-2.	-1.	17.	-0.	0.08	387.	0.	-121.
ALL	GTAC08	RESIDU	0.	-1.452	0.	1.639	0.31	-1378.	-581.	-165.	-394.	1066.	-40.	0.13	23267.	196.	4849.
20	GTAC12	RESIDU	0.	-0.173	0.	0.198	0.48	-155.	-69.	-19.	-37.	129.	-4.	0.16	4833.	23.	139.
22	GTAC12	RESIDU	0.	-0.010	0.	0.011	0.20	-9.	-4.	-1.	-2.	7.	-0.	0.15	154.	2.	36.
24	GTAC12	RESIDU	0.	-0.004	0.	0.004	0.01	-1.	-2.	-0.	1.	3.	0.	0.04	-101.	0.	-158.
26	GTAC12	RESIDU	0.	-0.099	0.	0.109	0.20	-77.	-40.	-9.	-11.	71.	-1.	0.19	1331.	10.	459.
28	GTAC12	RESIDU	0.	-0.708	0.	0.790	1.34	-636.	-283.	-77.	-159.	515.	-16.	0.15	9303.	110.	2898.
29	GTAC12	RESIDU	0.	-0.068	0.	0.074	0.18	-61.	-27.	-7.	-18.	48.	-2.	0.15	934.	11.	335.
33	GTAC12	RESIDU	0.	-0.030	0.	0.033	0.02	-21.	-12.	-3.	-1.	22.	-0.	0.10	474.	0.	-80.
ALL	GTAC12	RESIDU	0.	-1.601	0.	1.789	0.34	-1407.	-641.	-170.	-328.	1166.	-33.	0.16	24835.	228.	5324.
20	GTAC16	RESIDU	0.	-0.180	0.	0.205	0.50	-156.	-72.	-19.	-33.	133.	-3.	0.18	4664.	25.	56.
22	GTAC16	RESIDU	0.	-0.010	0.	0.011	0.21	-9.	-4.	-1.	-2.	7.	-0.	0.17	154.	2.	35.
24	GTAC16	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0.	0.05	-104.	0.	-158.
26	GTAC16	RESIDU	0.	-0.106	0.	0.112	0.20	-80.	-42.	-10.	-10.	73.	-1.	0.20	1336.	12.	460.
28	GTAC16	RESIDU	0.	-0.808	0.	0.805	1.37	-677.	-323.	-82.	-165.	534.	-19.	0.16	9508.	121.	2885.
29	GTAC16	RESIDU	0.	-0.074	0.	0.075	0.18	-63.	-30.	-8.	-18.	50.	-2.	0.16	933.	12.	330.
33	GTAC16	RESIDU	0.	-0.036	0.	0.037	0.02	-24.	-14.	-3.	-1.	24.	-0.	0.12	526.	0.	-54.
ALL	GTAC16	RESIDU	0.	-1.786	0.	1.830	0.34	-1480.	-714.	-180.	-330.	1210.	-37.	0.16	24925.	251.	5207.
20	GTWC16	RESIDU	0.	-0.212	0.	0.185	0.45	-172.	-85.	-21.	-46.	126.	-6.	0.14	4462.	27.	-114.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE POSITIVE)

EMISSION UNITS =

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING \$****- - EMISSIONS SAVING \$ - - -										CAPITL--ELECTRIC POWER--					
		ECS *****DIRECT*****		TOTAL		FESR		DIRECT		TOTAL		EMSR	SAVING	TOTAL	COST	LAEC	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH	SAVED		
22	GTWC16	RESIDU	0.	-0.012	0.	0.010	0.19	-10.	-5.	-1.	-3.	7.	-0. 0.13	160.	2.	33.	-3.
24	GTWC16	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0. 0.04	-133.	0.	-166.	-30.
26	GTWC16	RESIDU	0.	-0.117	0.	0.103	0.19	-86.	-47.	-11.	-16.	70.	-2. 0.17	1418.	13.	448.	95.
28	GTWC16	RESIDU	0.	-0.856	0.	0.755	1.28	-704.	-342.	-86.	-192.	513.	-25. 0.13	9918.	120.	2829.	163.
29	GTWC16	RESIDU	0.	-0.080	0.	0.070	0.17	-66.	-32.	-8.	-18.	48.	-2. 0.13	1010.	12.	333.	36.
33	GTWC16	RESIDU	0.	-0.040	0.	0.035	0.02	-26.	-16.	-3.	-3.	24.	-0. 0.10	359.	0.	-53.	86.
ALL	GTWC16	RESIDU	0.	-1.943	0.	1.711	0.32	-1568.	-777.	-191.	-407.	1163.	-53. 0.14	25580.	255.	4871.	-105.
20	CC1626	RESIDU	0.	-0.245	0.	0.218	0.53	-178.	-98.	-22.	-29.	148.	-4. 0.21	5349.	37.	-194.	-663.
22	CC1626	RESIDU	0.	-0.013	0.	0.012	0.22	-10.	-5.	-1.	-2.	8.	-0. 0.19	188.	2.	38.	-7.
24	CC1626	RESIDU	0.	-0.008	0.	0.007	0.02	-3.	-3.	-0.	2.	5.	0. 0.06	-122.	0.	-172.	-45.
26	CC1626	RESIDU	0.	-0.134	0.	0.115	0.21	-92.	-54.	-11.	-13.	79.	-2. 0.21	1593.	18.	499.	46.
28	CC1626	RESIDU	0.	-0.391	0.	0.330	0.56	-291.	-156.	-36.	-62.	226.	-9. 0.17	4618.	47.	1272.	169.
29	CC1626	RESIDU	0.	-0.091	0.	0.077	0.19	-68.	-36.	-8.	-15.	52.	-2. 0.17	1096.	14.	357.	13.
33	CC1626	RESIDU	0.	-0.054	0.	0.045	0.03	-35.	-22.	-4.	-4.	21.	-1. 0.14	752.	0.	28.	105.
ALL	CC1626	RESIDU	0.	-1.255	0.	1.075	0.20	-905.	-502.	-112.	-184.	735.	-24. 0.18	18049.	157.	2450.	-512.
20	CC1622	RESIDU	0.	-0.229	0.	0.223	0.55	-169.	-92.	-21.	-25.	149.	-3. 0.22	5356.	35.	-132.	-590.
22	CC1622	RESIDU	0.	-0.012	0.	0.012	0.22	-10.	-5.	-1.	-2.	8.	-0. 0.20	177.	2.	37.	-5.
24	CC1622	RESIDU	0.	-0.007	0.	0.006	0.02	-2.	-3.	-0.	2.	4.	0. 0.06	-99.	0.	-167.	-40.
26	CC1622	RESIDU	0.	-0.125	0.	0.118	0.22	-87.	-50.	-11.	-10.	79.	-1. 0.22	1477.	17.	486.	65.
28	CC1622	RESIDU	0.	-0.357	0.	0.330	0.56	-274.	-143.	-34.	-56.	222.	-7. 0.18	4240.	45.	1201.	194.
29	CC1622	RESIDU	0.	-0.085	0.	0.078	0.19	-66.	-34.	-8.	-14.	53.	-2. 0.18	1016.	13.	348.	23.
33	CC1622	RESIDU	0.	-0.049	0.	0.044	0.03	-32.	-20.	-4.	-3.	30.	-0. 0.14	671.	0.	-6.	102.
ALL	CC1622	RESIDU	0.	-1.155	0.	1.084	0.20	-856.	-462.	-106.	-144.	728.	-19. 0.19	17153.	149.	2363.	-337.
20	CC1222	RESIDU	0.	-0.227	0.	0.225	0.55	-168.	-91.	-21.	-24.	150.	-3. 0.23	5676.	35.	-51.	-540.
22	CC1222	RESIDU	0.	-0.012	0.	0.012	0.22	-9.	-5.	-1.	-2.	8.	-0. 0.20	184.	2.	39.	-4.
24	CC1222	RESIDU	0.	-0.007	0.	0.006	0.02	-2.	-3.	-0.	2.	4.	0. 0.06	-85.	0.	-163.	-38.
26	CC1222	RESIDU	0.	-0.124	0.	0.119	0.22	-87.	-50.	-11.	-9.	79.	-1. 0.22	1526.	16.	501.	75.
28	CC1222	RESIDU	0.	-0.353	0.	0.332	0.57	-272.	-141.	-33.	-54.	223.	-7. 0.18	4387.	45.	1243.	224.
29	CC1222	RESIDU	0.	-0.084	0.	0.079	0.19	-65.	-34.	-8.	-14.	53.	-2. 0.18	1048.	13.	358.	30.
33	CC1222	RESIDU	0.	-0.048	0.	0.044	0.03	-32.	-19.	-4.	-2.	30.	-0. 0.14	693.	0.	-1.	106.
ALL	CC1222	RESIDU	0.	-1.142	0.	1.092	0.21	-849.	-457.	-105.	-138.	731.	-18. 0.19	17940.	149.	2572.	-195.
20	CC0822	RESIDU	0.	-0.201	0.	0.228	0.56	-158.	-80.	-19.	-21.	148.	-2. 0.23	5134.	32.	-74.	-483.

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ALTERNATIVES STUDY

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FUEL UNITS *

EMISSION UNITS=

COST

=\$*10**9

REPORT 6.1

TIME 1990

FUEL AND EMISSIONS SAVINGS

LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

*****FUEL SAVING \$****- - - EMISSIONS SAVING \$ - - -													CAPITL--ELECTRIC POWER---				
PROCS	ECS	ECS	*****DIRECT*****	-----TOTAL-----	-----FESR-----	-----DIRECT-----	-----*****TOTAL*****	-----	-----	-----	-----	-----	EMSR	SAVING	TOTAL	COST	LAEC
		FUEL	OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART			EXPORT	MWH	SAVED	
22	CC0822	RESIDU	0.	-0.011	0.	0.012	0.22	-9.	-4.	-1.	-2.	8.	-0.020	173.	2.	39.	-0.
24	CC0822	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	2.	3.	0.005	-110.	0.	-171.	-40.
26	CC0822	RESIDU	0.	-0.108	0.	0.119	0.22	-79.	-43.	-10.	-7.	78.	-1.023	1480.	14.	505.	128.
28	CC0822	RESIDU	0.	-0.295	0.	0.320	0.54	-246.	-118.	-30.	-50.	210.	-5.018	4020.	40.	1154.	289.
29	CC0822	RESIDU	0.	-0.073	0.	0.079	0.19	-61.	-29.	-7.	-13.	52.	-1.018	1026.	12.	362.	61.
33	CC0822	RESIDU	0.	-0.037	0.	0.039	0.02	-25.	-15.	-3.	-1.	26.	-0.012	594.	0.	-59.	99.
ALL	CC0822	RESIDU	0.	-0.968	0.	1.065	0.20	-770.	-387.	-94.	-123.	696.	-12.019	16341.	132.	2331.	73.
20	STIG15	RESIDU	0.	-0.480	0.	0.100	0.25	-290.	-192.	-14.	-107.	111.	1.001	8794.	54.	-212.	-1184.
22	STIG15	RESIDU	0.	-0.026	0.	0.006	0.10	-16.	-11.	-1.	-6.	6.	0.001	264.	3.	23.	-46.
24	STIG15	RESIDU	0.	-0.094	0.	0.020	0.06	-50.	-38.	-3.	-15.	22.	-0.006	419.	8.	11.	-162.
26	STIG15	RESIDU	0.	-0.267	0.	0.056	0.10	-161.	-107.	-8.	-59.	62.	0.001	2012.	30.	310.	-413.
28	STIG15	RESIDU	0.	-0.557	0.	0.118	0.20	-336.	-223.	-17.	-124.	129.	1.001	4184.	61.	614.	-855.
33	STIG15	RESIDU	0.	-0.056	0.	0.012	0.01	-34.	-22.	-2.	-12.	13.	0.001	430.	6.	52.	-91.
ALL	STIG15	RESIDU	0.	-1.757	0.	0.367	0.07	-1052.	-703.	-53.	-382.	406.	3.001	19120.	192.	947.	-3265.
20	STIG10	RESIDU	0.	-0.388	0.	0.128	0.31	-250.	-155.	-10.	-87.	115.	5.006	6895.	45.	-307.	-1005.
22	STIG10	RESIDU	0.	-0.021	0.	0.007	0.13	-14.	-9.	-1.	-5.	6.	0.006	224.	3.	25.	-32.
24	STIG10	RESIDU	0.	-0.026	0.	0.009	0.03	-9.	-11.	-1.	-2.	8.	-0.009	-84.	0.	-149.	-51.
26	STIG10	RESIDU	0.	-0.216	0.	0.071	0.13	-135.	-86.	-6.	-45.	64.	2.007	1777.	24.	348.	-244.
28	STIG10	RESIDU	0.	-0.440	0.	0.145	0.25	-283.	-176.	-12.	-98.	131.	5.006	3476.	36.	628.	-335.
33	STIG10	RESIDU	0.	-0.045	0.	0.015	0.01	-29.	-18.	-1.	-10.	13.	1.006	358.	4.	56.	-39.
ALL	STIG10	RESIDU	0.	-1.364	0.	0.449	0.08	-864.	-546.	-37.	-291.	405.	16.007	15177.	133.	722.	-2048.
20	STIG1S	RESIDU	0.	-0.341	0.	0.134	0.33	-231.	-136.	-8.	-81.	113.	6.007	6102.	38.	-295.	-868.
22	STIG1S	RESIDU	0.	-0.019	0.	0.007	0.14	-13.	-8.	-0.	-5.	6.	0.007	213.	2.	27.	-24.
24	STIG1S	RESIDU	0.	-0.015	0.	0.006	0.02	-5.	-6.	-1.	1.	5.	-0.006	-104.	0.	-160.	-42.
26	STIG1S	RESIDU	0.	-0.190	0.	0.075	0.14	-123.	-76.	-5.	-39.	63.	3.008	1687.	20.	359.	-157.
28	STIG1S	RESIDU	0.	-0.376	0.	0.148	0.25	-254.	-151.	-9.	-88.	125.	7.008	3151.	24.	601.	-101.
33	STIG1S	RESIDU	0.	-0.039	0.	0.016	0.01	-27.	-16.	-1.	-10.	13.	1.007	318.	2.	54.	-11.
ALL	STIG1S	RESIDU	0.	-1.175	0.	0.462	0.09	-783.	-470.	-29.	-265.	390.	21.008	13622.	104.	703.	-1442.
20	DEADV3	RESIDU	0.	-0.227	0.	0.190	0.46	-291.	-91.	-21.	-159.	130.	-5.-0.11	1374.	32.	-956.	-982.
22	DEADV3	RESIDU	0.	-0.017	0.	0.009	0.18	-20.	-7.	-1.	-11.	7.	-1.-0.16	78.	2.	3.	-34.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

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FUEL UNITS =
EMISSION UNITS =
COST = \$10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				- - EMISSIONS SAVINGS - - -				CAPITL--ELECTRIC POWER--							
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED				
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	MWH	EXPORT			
24	DEADV3	RESIDU	0.	-0.017	0.	0.008	0.03	-6.	-7.	-1.	2.	7.	-0.008	-386.	0.	-221.	-80.
26	DEADV3	RESIDU	0.	-0.177	0.	0.093	0.17	-188.	-71.	-14.	-102.	72.	-5.-0.13	631.	21.	183.	-234.
28	DEADV3	RESIDU	0.	-0.520	0.	0.277	0.47	-586.	-208.	-44.	-333.	213.	-17.-0.14	1754.	37.	343.	-340.
33	DEADV3	RESIDU	0.	-0.102	0.	0.046	0.03	-101.	-41.	-8.	-54.	37.	-3.-0.14	408.	1.	19.	-21.
ALL	DEADV3	RESIDU	0.	-1.343	0.	0.791	0.16	-1508.	-537.	-113.	-833.	590.	-40.-0.13	4886.	118.	-796.	-2140.
20	DEHTPM	RESIDU	0.	-0.171	0.	0.233	0.57	-266.	-68.	-18.	-137.	148.	-1.0.01	1098.	28.	-877.	-818.
22	DEHTPM	RESIDU	0.	-0.010	0.	0.012	0.22	-16.	-4.	-1.	-9.	8.	-0.-0.06	57.	2.	12.	-13.
24	DEHTPM	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0.0.04	-137.	0.	-174.	-37.
26	DEHTPM	RESIDU	0.	-0.106	0.	0.113	0.21	-139.	-42.	-10.	-69.	74.	-1.-0.01	419.	12.	241.	0.
28	DEHTPM	RESIDU	0.	-0.677	0.	0.580	0.99	-1042.	-271.	-69.	-643.	396.	-22.-0.15	1171.	83.	406.	-618.
29	DEHTPM	RESIDU	0.	-0.079	0.	0.062	0.15	-124.	-32.	-8.	-79.	43.	-3.-0.19	151.	11.	110.	-82.
33	DEHTPM	RESIDU	0.	-0.040	0.	0.034	0.02	-45.	-16.	-3.	-22.	23.	-1.-0.02	83.	0.	-210.	18.
ALL	DEHTPM	RESIDU	0.	-1.520	0.	1.448	0.27	-2281.	-608.	-153.	-1338.	970.	-38.-0.12	3967.	189.	-685.	-2163.
20	DES0A3	DISTIL	-0.238	0.	-0.238	0.409	0.42	-664.	-12.	1.	-535.	201.	11.-0.80	1149.	31.	-1209.	-1346.
22	DES0A3	DISTIL	-0.019	0.	-0.019	0.027	0.15	-45.	-2.	0.	-37.	12.	1.-0.86	14.	2.	-31.	-69.
24	DES0A3	DISTIL	-0.022	0.	-0.022	0.030	0.03	-0.	-3.	0.	9.	13.	1.0.22	-127.	0.	-237.	-76.
26	DES0A3	DISTIL	-0.196	0.	-0.196	0.277	0.15	-424.	-21.	0.	-336.	123.	7.-0.76	142.	22.	-123.	-571.
28	DES0A3	DISTIL	-0.612	0.	-0.612	0.866	0.43	-1416.	-66.	1.	-1143.	385.	22.-0.79	368.	44.	-642.	-1428.
33	DES0A3	DISTIL	-0.114	0.	-0.114	0.154	0.02	-227.	-14.	0.	-178.	66.	4.-0.75	74.	3.	-174.	-246.
ALL	DES0A3	DISTIL	-1.523	0.	-1.523	2.236	0.13	-3519.	-149.	4.	-2814.	1015.	57.-0.77	2055.	131.	-3062.	-4736.
20	DES0A3	RESIDU	-0.238	0.	-0.238	0.409	0.42	-1432.	-89.	-2.	-1300.	134.	22.-2.72	1149.	31.	-1034.	-1048.
22	DES0A3	RESIDU	-0.019	0.	-0.019	0.027	0.15	-97.	-7.	-0.	-88.	8.	1.-2.85	14.	2.	-17.	-50.
24	DES0A3	RESIDU	-0.022	0.	-0.022	0.030	0.03	-2.	-8.	-0.	7.	8.	2.0.16	-127.	0.	-162.	-54.
26	DES0A3	RESIDU	-0.196	0.	-0.196	0.277	0.15	-910.	-74.	-2.	-821.	78.	15.-2.64	142.	22.	21.	-369.
28	DES0A3	RESIDU	-0.612	0.	-0.612	0.866	0.43	-3039.	-230.	-5.	-2760.	244.	46.-2.68	368.	44.	-117.	-797.
33	DES0A3	RESIDU	-0.114	0.	-0.114	0.154	0.02	-487.	-43.	-1.	-438.	41.	8.-2.61	74.	3.	-89.	-134.
ALL	DES0A3	RESIDU	-1.523	0.	-1.523	2.236	0.13	-7564.	-573.	-12.	-6845.	650.	120.-2.67	2055.	131.	-1773.	-3107.
20	GTSCAD	DISTIL	-0.175	0.	-0.175	0.364	0.46	-72.	-29.	0.	44.	165.	15.0.56	5193.	22.	94.	-451.
22	GTSCAD	DISTIL	-0.010	0.	-0.010	0.020	0.19	-4.	-2.	0.	2.	9.	1.0.56	164.	1.	30.	-16.
24	GTSCAD	DISTIL	-0.004	0.	-0.004	0.008	0.01	-0.	-1.	0.	3.	4.	0.0.05	-98.	0.	-237.	-32.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS *

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE POSITIVE)

EMISSION UNITS=

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				- - EMISSIONS SAVINGS - -				CAPITL--ELECTRIC POWER---						
		ECS *****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED				
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH				
26	GTSOAD DISTIL	-0.103	0.	-0.103	0.205	0.19	-33.	-17.	0.	32.	92.	8. 0.59	1408.	10.	382.	-36.
28	GTSOAD DISTIL	-0.758	0.	-0.758	1.491	1.25	-301.	-123.	0.	173.	670.	58. 0.54	9900.	109.	2125.	-938.
29	GTSOAD DISTIL	-0.072	0.	-0.072	0.141	0.17	-29.	-12.	0.	16.	63.	5. 0.55	980.	10.	277.	-71.
33	GTSOAD DISTIL	-0.031	0.	-0.031	0.062	0.02	-8.	-5.	0.	11.	28.	2. 0.26	497.	0.	-201.	25.
ALL	GTSOAD DISTIL	-1.688	0.	-1.688	3.353	0.31	-655.	-274.	0.	411.	1509.	131. 0.54	26406.	224.	3612.	-2222.
20	GTRA08 DISTIL	0.	-0.210	0.	0.211	0.51	-91.	-39.	2.	46.	196.	34. 0.51	4018.	30.	-395.	-821.
22	GTRA08 DISTIL	0.	-0.013	0.	0.011	0.21	-5.	-3.	0.	2.	11.	2. 0.50	165.	2.	25.	-24.
24	GTRA08 DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1. 0.10	-167.	0.	-246.	-46.
26	GTRA08 DISTIL	0.	-0.131	0.	0.111	0.20	-51.	-27.	1.	28.	108.	18. 0.51	1382.	16.	349.	-139.
28	GTRA08 DISTIL	0.	-1.317	0.	0.759	1.29	-551.	-306.	-4.	121.	845.	140. 0.46	11860.	165.	1731.	-2377.
29	GTRA08 DISTIL	0.	-0.102	0.	0.069	0.17	-43.	-23.	-0.	12.	73.	12. 0.47	986.	14.	230.	-164.
33	GTRA08 DISTIL	0.	-0.063	0.	0.045	0.03	-23.	-14.	0.	12.	46.	8. 0.37	719.	0.	-61.	14.
ALL	GTRA08 DISTIL	0.	-2.678	0.	1.761	0.33	-1112.	-600.	-3.	326.	1867.	312. 0.47	27546.	331.	2373.	-5166.
20	GTRA12 DISTIL	0.	-0.207	0.	0.213	0.52	-90.	-38.	2.	47.	196.	34. 0.51	4153.	30.	-349.	-788.
22	GTRA12 DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2. 0.50	160.	2.	25.	-23.
24	GTRA12 DISTIL	0.	-0.006	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1. 0.10	-147.	0.	-241.	-42.
26	GTRA12 DISTIL	0.	-0.127	0.	0.113	0.21	-49.	-25.	1.	29.	108.	18. 0.52	1369.	16.	357.	-125.
28	GTRA12 DISTIL	0.	-1.208	0.	0.787	1.34	-509.	-272.	-2.	137.	836.	140. 0.47	11249.	157.	1845.	-2068.
29	GTRA12 DISTIL	0.	-0.097	0.	0.072	0.18	-42.	-21.	0.	13.	73.	12. 0.48	980.	14.	243.	-145.
33	GTRA12 DISTIL	0.	-0.059	0.	0.045	0.03	-21.	-12.	0.	13.	45.	8. 0.37	687.	0.	-72.	20.
ALL	GTRA12 DISTIL	0.	-2.501	0.	1.816	0.34	-1044.	-543.	2.	355.	1859.	312. 0.48	26873.	320.	2632.	-4620.
20	GTRA16 DISTIL	0.	-0.203	0.	0.209	0.51	-88.	-36.	2.	46.	194.	34. 0.51	3609.	29.	-453.	-835.
22	GTRA16 DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2. 0.50	147.	2.	22.	-24.
24	GTRA16 DISTIL	0.	-0.007	0.	0.006	0.02	-1.	-1.	0.	3.	6.	1. 0.09	-160.	0.	-245.	-43.
26	GTRA16 DISTIL	0.	-0.124	0.	0.111	0.20	-48.	-24.	1.	29.	107.	19. 0.51	1282.	15.	339.	-124.
28	GTRA16 DISTIL	0.	-1.131	0.	0.780	1.33	-481.	-245.	1.	139.	819.	139. 0.47	10255.	150.	1718.	-1972.
29	GTRA16 DISTIL	0.	-0.093	0.	0.072	0.17	-40.	-19.	0.	13.	73.	12. 0.48	922.	14.	235.	-141.
33	GTRA16 DISTIL	0.	-0.054	0.	0.043	0.03	-19.	-11.	0.	12.	43.	7. 0.35	604.	0.	-110.	15.
ALL	GTRA16 DISTIL	0.	-2.368	0.	1.797	0.34	-994.	-494.	8.	356.	1827.	312. 0.48	24284.	305.	2195.	-4556.
20	GTR208 DISTIL	0.	-0.194	0.	0.197	0.48	-85.	-31.	3.	42.	188.	34. 0.49	4273.	26.	-232.	-683.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE POSITIVE)

EMISSION UNITS =

TIME 1990

LEVEL ALL

CCST

=\$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				- - - EMISSIONS SAVING S - - -				CAPITL--ELECTRIC POWER---								
		ECS *****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED						
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	MWH					
22	GTR208	DISTIL	0.	-0.011	0.	0.011	0.20	-5.	-2.	0.	2.	10.	2.	0.48	156.	2.	25.	-21.
24	GTR208	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.08	-137.	0.	-244.	-39.
26	GTR208	DISTIL	0.	-0.117	0.	0.105	0.19	-45.	-20.	1.	28.	104.	19.	0.50	1356.	13.	353.	-94.
28	GTR208	DISTIL	0.	-1.003	0.	0.735	1.25	-435.	-195.	7.	130.	777.	139.	0.46	10217.	133.	1796.	-1656.
29	GTR208	DISTIL	0.	-0.086	0.	0.068	0.17	-38.	-16.	1.	12.	70.	13.	0.47	950.	12.	245.	-121.
33	GTR208	DISTIL	0.	-0.044	0.	0.036	0.02	-15.	-8.	0.	11.	37.	7.	0.30	582.	0.	-156.	19.
ALL	GTR208	DISTIL	0.	-2.130	0.	1.685	0.32	-909.	-400.	19.	331.	1737.	313.	0.46	25361.	271.	2604.	-3783.
20	GTR212	DISTIL	0.	-0.200	0.	0.200	0.49	-88.	-34.	3.	42.	190.	34.	0.50	4135.	27.	-302.	-741.
22	GTR212	DISTIL	0.	-0.012	0.	0.011	0.20	-5.	-2.	0.	2.	10.	2.	0.49	155.	2.	24.	-22.
24	GTR212	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.08	-143.	0.	-244.	-41.
26	GTR212	DISTIL	0.	-0.120	0.	0.107	0.20	-46.	-22.	1.	28.	105.	19.	0.50	1358.	14.	352.	-104.
28	GTR212	DISTIL	0.	-1.027	0.	0.754	1.28	-443.	-206.	6.	135.	789.	139.	0.46	10246.	137.	1818.	-1692.
29	GTR212	DISTIL	0.	-0.088	0.	0.070	0.17	-39.	-17.	1.	13.	71.	13.	0.47	953.	13.	246.	-124.
33	GTR212	DISTIL	0.	-0.047	0.	0.039	0.02	-16.	-9.	0.	12.	39.	7.	0.31	611.	0.	-138.	20.
ALL	GTR212	DISTIL	0.	-2.190	0.	1.729	0.32	-930.	-426.	16.	343.	1766.	312.	0.47	25267.	281.	2563.	-3943.
20	GTR216	DISTIL	0.	-0.198	0.	0.205	0.50	-87.	-34.	3.	44.	192.	34.	0.50	3931.	28.	-343.	-758.
22	GTR216	DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2.	0.49	149.	2.	24.	-22.
24	GTR216	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.09	-145.	0.	-243.	-40.
26	GTR216	DISTIL	0.	-0.119	0.	0.110	0.20	-46.	-22.	1.	29.	106.	19.	0.51	1315.	14.	351.	-103.
28	GTR216	DISTIL	0.	-1.027	0.	0.775	1.32	-442.	-208.	5.	143.	798.	139.	0.47	9940.	139.	1800.	-1699.
29	GTR216	DISTIL	0.	-0.088	0.	0.072	0.17	-38.	-17.	1.	13.	72.	13.	0.48	925.	13.	245.	-124.
33	GTR216	DISTIL	0.	-0.048	0.	0.040	0.03	-17.	-9.	0.	12.	40.	7.	0.32	601.	0.	-132.	22.
ALL	GTR216	DISTIL	0.	-2.184	0.	1.779	0.33	-926.	-428.	15.	360.	1787.	313.	0.47	24400.	285.	2484.	-3975.
20	GTRW08	DISTIL	0.	-0.257	0.	0.185	0.45	-109.	-55.	0.	35.	191.	32.	0.48	4470.	34.	-512.	-1003.
22	GTRW08	DISTIL	0.	-0.015	0.	0.010	0.18	-6.	-3.	-0.	2.	10.	2.	0.47	181.	2.	21.	-32.
24	GTRW08	DISTIL	0.	-0.011	0.	0.006	0.02	-2.	-2.	-0.	4.	7.	1.	0.11	-176.	0.	-249.	-54.
26	GTRW08	DISTIL	0.	-0.155	0.	0.097	0.18	-60.	-35.	-0.	21.	105.	18.	0.48	1545.	18.	315.	-217.
28	GTRW08	DISTIL	0.	-1.462	0.	0.683	1.16	-607.	-353.	-9.	87.	835.	138.	0.44	13083.	170.	1658.	-2729.
29	GTRW08	DISTIL	0.	-0.116	0.	0.081	0.15	-49.	-27.	-0.	9.	71.	12.	0.45	1106.	15.	217.	-202.
33	GTRW08	DISTIL	0.	-0.077	0.	0.042	0.03	-28.	-18.	-0.	10.	48.	8.	0.38	851.	0.	-17.	-6.
ALL	GTRW08	DISTIL	0.	-3.046	0.	1.579	0.30	-1254.	-719.	-13.	243.	1846.	308.	0.45	30666.	347.	2088.	-6180.
20	GTRW12	DISTIL	0.	-0.249	0.	0.196	0.48	-105.	-53.	0.	39.	195.	33.	0.49	4556.	34.	-461.	-957.

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GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

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FUEL UNITS *
EMISSION UNITS=
COST = \$*10**9

(SAVINGS ARE POSITIVE)

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVING S*****				*****EMISSIONS SAVING S*****				CAPITL--ELECTRIC POWER---								
		ECS	*****DIRECT*****	*****TOTAL*****	FESR	*****DIRECT*****	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC						
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART			EXPORT		SAVED	
															MWH			
22	GTRW12	DISTIL	0.	-0.014	0.	0.010	0.20	-6.	-3.	0.	2.	11.	2.	0.48	183.	2.	24.	-29.
24	GTRW12	DISTIL	0.	-0.010	0.	0.007	0.02	-2.	-2.	-0.	4.	7.	1.	0.12	-176.	0.	-246.	-52.
26	GTRW12	DISTIL	0.	-0.148	0.	0.105	0.19	-58.	-33.	-0.	24.	108.	18.	0.50	1554.	18.	346.	-186.
28	GTRW12	DISTIL	0.	-1.331	0.	0.755	1.28	-555.	-315.	-6.	120.	841.	138.	0.46	12766.	164.	1992.	-2244.
29	GTRW12	DISTIL	0.	-0.109	0.	0.068	0.16	-46.	-25.	-0.	11.	73.	12.	0.47	1125.	15.	247.	-170.
33	GTRW12	DISTIL	0.	-0.072	0.	0.046	0.03	-26.	-16.	-0.	12.	49.	8.	0.40	841.	0.	-3.	12.
ALL	GTRW12	DISTIL	0.	-2.826	0.	1.735	0.33	-1167.	-655.	-9.	309.	1875.	308.	0.47	30480.	341.	2776.	-5300.
20	GTRW16	DISTIL	0.	-0.244	0.	0.195	0.48	-104.	-51.	1.	39.	193.	33.	0.49	4090.	33.	-541.	-987.
22	GTRW16	DISTIL	0.	-0.014	0.	0.010	0.20	-6.	-3.	0.	2.	11.	2.	0.48	172.	2.	22.	-29.
24	GTRW16	DISTIL	0.	-0.009	0.	0.007	0.02	-2.	-2.	0.	4.	7.	1.	0.11	-189.	0.	-251.	-52.
26	GTRW16	DISTIL	0.	-0.144	0.	0.104	0.19	-56.	-31.	0.	24.	107.	18.	0.50	1519.	17.	344.	-175.
28	GTRW16	DISTIL	0.	-1.240	0.	0.756	1.28	-521.	-284.	-3.	125.	824.	137.	0.46	11730.	156.	1888.	-2104.
29	GTRW16	DISTIL	0.	-0.105	0.	0.068	0.17	-44.	-23.	-0.	12.	72.	12.	0.47	1079.	14.	245.	-161.
33	GTRW16	DISTIL	0.	-0.066	0.	0.044	0.03	-24.	-15.	-0.	12.	47.	8.	0.38	805.	0.	-31.	16.
ALL	GTRW16	DISTIL	0.	-2.665	0.	1.732	0.33	-1107.	-599.	-3.	318.	1844.	308.	0.47	28103.	326.	2453.	-5108.
20	GTR308	DISTIL	0.	-0.243	0.	0.166	0.41	-104.	-47.	2.	29.	182.	33.	0.45	4459.	29.	-416.	-906.
22	GTR308	DISTIL	0.	-0.015	0.	0.009	0.16	-6.	-3.	0.	1.	10.	2.	0.44	169.	2.	17.	-33.
24	GTR308	DISTIL	0.	-0.009	0.	0.004	0.01	-1.	-2.	0.	3.	5.	1.	0.09	-135.	0.	-246.	-48.
26	GTR308	DISTIL	0.	-0.151	0.	0.084	0.15	-59.	-32.	0.	18.	100.	18.	0.45	1497.	15.	279.	-220.
28	GTR308	DISTIL	0.	-1.375	0.	0.569	0.97	-579.	-312.	-3.	52.	770.	138.	0.41	11941.	152.	1200.	-2815.
29	GTR308	DISTIL	0.	-0.114	0.	0.052	0.13	-48.	-25.	-0.	5.	67.	12.	0.41	1072.	14.	191.	-211.
33	GTR308	DISTIL	0.	-0.067	0.	0.032	0.02	-24.	-15.	0.	8.	41.	7.	0.31	749.	0.	-124.	-21.
ALL	GTR308	DISTIL	0.	-2.851	0.	1.325	0.25	-1188.	-630.	-0.	167.	1698.	305.	0.41	28549.	305.	1302.	-6149.
20	GTR312	DISTIL	0.	-0.235	0.	0.190	0.46	-101.	-47.	1.	37.	190.	33.	0.48	4628.	31.	-385.	-866.
22	GTR312	DISTIL	0.	-0.013	0.	0.010	0.19	-6.	-3.	0.	2.	10.	2.	0.48	176.	2.	24.	-26.
24	GTR312	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1.	0.10	-156.	0.	-246.	-45.
26	GTR312	DISTIL	0.	-0.137	0.	0.103	0.19	-53.	-28.	1.	25.	105.	18.	0.49	1522.	16.	353.	-149.
28	GTR312	DISTIL	0.	-1.091	0.	0.750	1.28	-465.	-232.	2.	132.	794.	137.	0.46	11326.	142.	2011.	-1711.
29	GTR312	DISTIL	0.	-0.097	0.	0.068	0.17	-42.	-20.	0.	12.	72.	12.	0.47	1061.	14.	254.	-138.
33	GTR312	DISTIL	0.	-0.057	0.	0.041	0.03	-20.	-12.	0.	11.	43.	7.	0.34	743.	0.	-81.	21.
ALL	GTR312	DISTIL	0.	-2.401	0.	1.712	0.32	-1009.	-504.	7.	328.	1789.	308.	0.46	28297.	300.	2860.	-4272.
20	GTR316	DISTIL	0.	-0.236	0.	0.188	0.46	-101.	-47.	1.	37.	190.	33.	0.48	4224.	31.	-458.	-918.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

REPORT 6.1

FUEL AND EMISSIONS SAVINGS

(SAVINGS ARE POSITIVE)

EMISSION UNITS =

TIME 1990

LEVEL ALL

COST = \$*10**9

TYPE MATCH=HEAT

PROCS	ECS	*****FUEL SAVINGS*****				- - EMISSIONS SAVINGS - - -				CAPITL--ELECTRIC POWER---			
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	MWH
22	GTR316	DISTIL	0.	-0.013	0.	0.010	0.19	-6.	-3.	0.	2.	10.	2. 0.48 169.
24	GTR316	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1. 0.09 -169.
26	GTR316	DISTIL	0.	-0.137	0.	0.102	0.19	-53.	-28.	1.	24.	105.	18. 0.49 1478.
28	GTR316	DISTIL	0.	-1.086	0.	0.742	1.26	-464.	-230.	3.	129.	789.	136. 0.46 10889.
29	GTR316	DISTIL	0.	-0.097	0.	0.068	0.17	-42.	-20.	0.	12.	71.	12. 0.47 1034.
33	GTR316	DISTIL	0.	-0.057	0.	0.040	0.03	-20.	-12.	0.	11.	42.	7. 0.34 713.
ALL	GTR316	DISTIL	0.	-2.394	0.	1.694	0.32	-1006.	-500.	8.	320.	1779.	308. 0.46 26883.
20	FCPADS	DISTIL	0.	-0.241	0.	0.173	0.42	-30.	42.	5.	104.	272.	34. 0.85 3677.
22	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.17	-3.	2.	0.	6.	17.	2. 0.85 108.
24	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.03	-4.	-5.	-0.	5.	11.	2. 0.17 -71.
26	FCPADS	DISTIL	0.	-0.188	0.	0.091	0.17	-30.	13.	2.	60.	168.	20. 0.83 859.
28	FCPADS	DISTIL	0.	-1.518	0.	0.735	1.25	-237.	149.	19.	490.	1393.	167. 0.84 7269.
29	FCPADS	DISTIL	0.	-0.128	0.	0.062	0.15	-20.	13.	2.	42.	118.	14. 0.85 653.
33	FCPADS	DISTIL	0.	-0.098	0.	0.047	0.03	-16.	5.	1.	31.	85.	10. 0.82 545.
ALL	FCPADS	DISTIL	0.	-3.259	0.	1.662	0.31	-502.	323.	42.	1068.	3041.	369. 0.84 19220.
20	FCMCDS	DISTIL	0.	-0.273	0.	0.211	0.52	-245.	39.	-0.	-88.	307.	32. 0.46 3243.
22	FCMCDS	DISTIL	0.	-0.015	0.	0.012	0.22	-14.	2.	-0.	-5.	17.	2. 0.46 89.
24	FCMCDS	DISTIL	0.	-0.013	0.	0.010	0.03	-2.	-3.	-0.	5.	10.	1. 0.15 -93.
26	FCMCDS	DISTIL	0.	-0.152	0.	0.118	0.22	-126.	16.	-0.	-38.	165.	18. 0.48 718.
28	FCMCDS	DISTIL	0.	-1.192	0.	0.922	1.57	-1077.	175.	-2.	-393.	1345.	141. 0.46 5848.
29	FCMCDS	DISTIL	0.	-0.104	0.	0.080	0.20	-94.	15.	-0.	-35.	117.	12. 0.46 555.
33	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.04	-56.	5.	-0.	-14.	78.	9. 0.44 424.
ALL	FCMCDS	DISTIL	0.	-2.694	0.	2.084	0.39	-2386.	369.	-5.	-841.	3013.	319. 0.46 15944.
20	STM141	COAL-A	0.	-0.029	0.	0.047	0.12	31.	-49.	-1.	56.	-3.	10. 0.28 -1996.
22	STM141	COAL-A	0.	-0.004	0.	0.006	0.12	6.	-8.	-0.	9.	-2.	2. 0.26 -159.
24	STM141	COAL-A	0.	-0.002	0.	0.204	0.67	-0.	-1.	-0.	66.	111.	12. 0.99 -6005.
26	STM141	COAL-A	0.	-0.012	0.	0.020	0.04	9.	-17.	-1.	20.	2.	3. 0.35 14.
28	STM141	COAL-A	0.	-0.021	0.	0.035	0.06	52.	-64.	-1.	72.	-25.	12. 0.23 -520.
29	STM141	COAL-A	0.	-0.021	0.	0.035	0.08	30.	-44.	-1.	49.	-8.	8. 0.27 115.
ALL	STM141	COAL-A	0.	-0.134	0.	0.523	0.10	191.	-275.	-7.	410.	113.	71. 0.27 -12869.
20	STM141	COAL-F	0.	-0.029	0.	0.047	0.12	-10.	-49.	-1.	16.	-3.	10. 0.08 -2579.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS =
COST = \$10**9REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****				*****CAPITL--ELECTRIC POWER---								
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED					
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH				
22	STM141	COAL-F	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06	-223.	0.	-60.	10.
24	STM141	COAL-F	0.	-0.002	0.	0.204	0.67	-1.	-1.	-0.	65.	111.	12.	0.99	-7867.	0.	-2474.	-1511.
26	STM141	COAL-F	0.	-0.012	0.	0.020	0.04	-4.	-17.	-1.	7.	2.	3.	0.17	-51.	0.	22.	102.
28	STM141	COAL-F	0.	-0.021	0.	0.035	0.06	-7.	-64.	-1.	13.	-25.	12.	0.02	-855.	0.	-180.	298.
29	STM141	COAL-F	0.	-0.021	0.	0.035	0.08	-7.	-44.	-1.	12.	-8.	8.	0.07	-130.	0.	36.	284.
ALL	STM141	COAL-F	0.	-0.134	0.	0.523	0.10	-47.	-275.	-7.	172.	113.	71.	0.07	-17616.	0.	-5462.	-1782.
20	STM141	RESIDU	0.	-0.029	0.	0.047	0.12	-10.	-11.	-1.	14.	29.	2.	0.20	432.	0.	-159.	-110.
22	STM141	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.18	26.	0.	3.	3.
24	STM141	RESIDU	0.	-0.002	0.	0.204	0.67	-1.	-1.	-0.	65.	112.	12.	0.99	-335.	0.	-283.	-87.
26	STM141	RESIDU	0.	-0.012	0.	0.020	0.04	-4.	-5.	-1.	6.	13.	1.	0.27	254.	0.	90.	63.
28	STM141	RESIDU	0.	-0.021	0.	0.035	0.06	-7.	-9.	-1.	11.	22.	1.	0.14	326.	0.	114.	80.
29	STM141	RESIDU	0.	-0.021	0.	0.035	0.08	-7.	-8.	-1.	10.	21.	1.	0.18	429.	0.	159.	112.
ALL	STM141	RESIDU	0.	-0.134	0.	0.523	0.10	-47.	-53.	-7.	164.	302.	27.	0.18	1704.	0.	-114.	91.
20	STM088	COAL-A	0.	-0.009	0.	0.015	0.04	27.	-31.	-0.	35.	-14.	6.	0.20	-1488.	0.	-514.	-127.
22	STM088	COAL-A	0.	-0.004	0.	0.006	0.12	6.	-8.	-0.	9.	-2.	2.	0.26	-117.	0.	-32.	26.
28	STM088	COAL-A	0.	-0.012	0.	0.020	0.03	36.	-42.	-1.	47.	-19.	8.	0.20	-777.	0.	-197.	148.
ALL	STM088	COAL-A	0.	-0.048	0.	0.080	0.01	131.	-157.	-2.	177.	-68.	31.	0.21	-4603.	0.	-1435.	90.
20	STM088	COAL-F	0.	-0.009	0.	0.015	0.04	-3.	-31.	-0.	5.	-14.	6.	-0.02	-1751.	0.	-586.	-172.
22	STM088	COAL-F	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06	-191.	0.	-51.	15.
28	STM088	COAL-F	0.	-0.012	0.	0.020	0.03	-4.	-42.	-1.	8.	-19.	8.	-0.02	-983.	0.	-248.	118.
ALL	STM088	COAL-F	0.	-0.048	0.	0.080	0.01	-17.	-157.	-2.	29.	-68.	31.	-0.00	-5652.	0.	-1708.	-76.
20	STM088	RESIDU	0.	-0.009	0.	0.015	0.04	-3.	-4.	-0.	4.	9.	1.	0.10	746.	0.	58.	19.
22	STM088	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.18	43.	0.	8.	6.
28	STM088	RESIDU	0.	-0.012	0.	0.020	0.03	-4.	-5.	-1.	6.	13.	1.	0.11	48.	0.	21.	15.
ALL	STM088	RESIDU	0.	-0.048	0.	0.080	0.01	-17.	-19.	-2.	24.	49.	3.	0.12	1618.	0.	168.	77.
20	PFBSTM	COAL-P	0.	-0.036	0.	0.058	0.14	40.	-57.	2.	71.	-0.	15.	0.32	-5025.	0.	-1748.	-822.

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COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING\$*****				- - EMISSIONS SAVING\$ - - -				CAPITL--ELECTRIC POWER---							
		ECS ****DIRECT****	TOTAL	FESR	DIRECT	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC	SAVED					
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	MWH				
22	PFBSTM	COAL-P	0.	-0.004	0.	0.006	0.12	6.	-8.	0.	10.	-2.	2.	0.30 -254.	0.	-68.	4.
24	PFBSTM	COAL-P	0.	-0.005	0.	0.200	0.66	-1.	-3.	-0.	65.	109.	12.	0.98-11548.	0.	-3396.	-2058.
26	PFBSTM	COAL-P	0.	-0.044	0.	0.068	0.12	33.	-57.	1.	71.	9.	14.	0.40 -251.	0.	33.	297.
28	PFBSTM	COAL-P	0.	-0.068	0.	0.101	0.17	208.	-226.	8.	270.	-106.	54.	0.27 -2691.	0.	-650.	1039.
29	PFBSTM	COAL-P	0.	-0.022	0.	0.034	0.08	36.	-44.	2.	55.	-9.	12.	0.31 -100.	0.	23.	269.
ALL	PFBSTM	COAL-P	0.	-0.243	0.	0.638	0.12	442.	-539.	18.	740.	1.	149.	0.33-27152.	0.	-7935.	-1737.
20	TISTMT	COAL	0.	-0.036	0.	0.058	0.14	-13.	-57.	-2.	19.	-1.	11.	0.08-12268.	0.	-3514.	-1850.
22	TISTMT	COAL	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06 -602.	0.	-149.	-41.
24	TISTMT	COAL	0.	-0.004	0.	0.201	0.66	-1.	-2.	-0.	65.	110.	12.	0.98-24223.	0.	-6417.	-3788.
26	TISTMT	COAL	0.	-0.043	0.	0.069	0.13	-15.	-57.	-2.	22.	9.	11.	0.18 -2365.	0.	-435.	44.
28	TISTMT	COAL	0.	-0.022	0.	0.035	0.06	-8.	-64.	-1.	12.	-25.	12.	0.01 -2164.	0.	-486.	125.
29	TISTMT	COAL	0.	-0.022	0.	0.034	0.08	-8.	-44.	-1.	12.	-9.	8.	0.06 -1083.	0.	-190.	156.
ALL	TISTMT	COAL	0.	-0.190	0.	0.583	0.11	-66.	-337.	-9.	191.	119.	81.	0.09-61910.	0.	-16223.	-7760.
20	TISTMT	RESIDU	0.	-0.036	0.	0.058	0.14	-13.	-14.	-2.	17.	36.	2.	0.20 -7237.	0.	-2147.	-1271.
22	TISTMT	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.17 -319.	0.	-78.	-43.
26	TISTMT	RESIDU	0.	-0.043	0.	0.069	0.13	-15.	-17.	-2.	21.	43.	3.	0.28 -1287.	0.	-204.	-76.
28	TISTMT	RESIDU	0.	-0.022	0.	0.035	0.06	-8.	-9.	-1.	10.	22.	1.	0.13 -946.	0.	-186.	-91.
29	TISTMT	RESIDU	0.	-0.022	0.	0.034	0.08	-8.	-9.	-1.	10.	21.	1.	0.18 -475.	0.	-56.	-12.
ALL	TISTMT	RESIDU	0.	-0.192	0.	0.304	0.06	-67.	-77.	-10.	91.	189.	12.	0.19-15537.	0.	-4043.	-2261.
20	TIHRSG	COAL	0.	-0.011	0.	0.013	0.03	-4.	-32.	-1.	5.	-16.	6.	-0.04 -5034.	0.	-1346.	-598.
22	TIHRSG	COAL	0.	-0.005	0.	0.005	0.09	-2.	-9.	-0.	2.	-2.	1.	0.02 -842.	0.	-205.	-73.
24	TIHRSG	COAL	0.	-0.039	0.	0.166	0.55	-13.	-23.	-2.	52.	89.	10.	0.78-31265.	0.	-7920.	-4582.
26	TIHRSG	COAL	0.	-0.031	0.	0.026	0.05	-11.	-36.	-2.	8.	-3.	5.	0.08 -2035.	0.	-434.	-91.
28	TIHRSG	COAL	0.	-0.268	0.	0.088	0.15	-94.	-444.	-13.	31.	-207.	64.	-0.02-22585.	0.	-5470.	-1016.
29	TIHRSG	COAL	0.	-0.036	0.	0.019	0.05	-13.	-53.	-2.	6.	-18.	8.	-0.02 -1677.	0.	-357.	45.
ALL	TIHRSG	COAL	0.	-0.530	0.	0.430	0.08	-186.	-813.	-27.	142.	-214.	129.	0.01-86337.	0.	-21410.	-8595.
20	TIHRSG	RESIDU	0.	-0.011	0.	0.013	0.03	-4.	-4.	-1.	4.	8.	0.	0.09 -2247.	0.	-638.	-360.
22	TIHRSG	RESIDU	0.	-0.005	0.	0.005	0.09	-2.	-2.	-0.	1.	3.	0.	0.14 -533.	0.	-131.	-72.
26	TIHRSG	RESIDU	0.	-0.046	0.	0.018	0.03	-16.	-18.	-2.	4.	15.	-0.	0.14 -1461.	0.	-354.	-209.
28	TIHRSG	RESIDU	0.	-0.074	0.	0.024	0.04	-26.	-30.	-4.	5.	22.	-1.	0.08 -3619.	0.	-908.	-539.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				- - - EMISSIONS SAVINGS - - -				CAPITL--ELECTRIC POWER---								
		ECS ****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED						
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH						
29	TIHRSO	RESIDU	0.	-0.036	0.	0.019	0.05	-13.	-15.	-2.	5.	15.	0.	0.11	-988.	0.	-223.	-127.
ALL	TIHRSO	RESIDU	0.	-0.299	0.	0.136	0.03	-105.	-120.	-15.	33.	110.	-1.	0.10	-15334.	0.	-3905.	-2265.
20	STIRL	COAL	0.	-0.045	0.	0.046	0.11	-16.	-62.	-2.	15.	-7.	10.	0.04	-3567.	0.	-1407.	-619.
22	STIRL	COAL	0.	-0.006	0.	0.005	0.08	-2.	-9.	-0.	2.	-3.	1.	0.01	-237.	0.	-85.	7.
24	STIRL	COAL	0.	-0.069	0.	0.188	0.62	-24.	-42.	-3.	59.	99.	12.	0.59	-9078.	0.	-2778.	-1647.
26	STIRL	COAL	0.	-0.062	0.	0.050	0.09	-22.	-68.	-3.	15.	-2.	10.	0.10	-832.	0.	-111.	215.
28	STIRL	COAL	0.	-0.034	0.	0.024	0.04	-12.	-72.	-2.	9.	-33.	12.	-0.03	-1239.	0.	-287.	243.
29	STIRL	COAL	0.	-0.032	0.	0.023	0.06	-11.	-50.	-2.	8.	-15.	8.	0.00	-552.	0.	-86.	208.
ALL	STIRL	COAL	0.	-0.357	0.	0.483	0.09	-125.	-436.	-18.	154.	56.	76.	0.03	-22292.	0.	-6805.	-2293.
20	STIRL	DISTIL	0.	-0.045	0.	0.046	0.11	10.	8.	5.	41.	63.	17.	0.49	731.	0.	-282.	-361.
22	STIRL	DISTIL	0.	-0.006	0.	0.005	0.08	2.	2.	1.	6.	8.	3.	0.48	4.	0.	-10.	-32.
26	STIRL	DISTIL	0.	-0.062	0.	0.050	0.09	4.	1.	4.	41.	67.	17.	0.52	260.	0.	54.	-112.
28	STIRL	DISTIL	0.	-0.034	0.	0.024	0.04	23.	21.	8.	44.	61.	22.	0.45	-20.	0.	-25.	-241.
29	STIRL	DISTIL	0.	-0.032	0.	0.023	0.06	11.	9.	5.	30.	44.	14.	0.47	102.	0.	21.	-125.
ALL	STIRL	DISTIL	0.	-0.269	0.	0.222	0.04	77.	61.	34.	244.	365.	109.	0.48	1622.	0.	-364.	-1310.
20	STIRL	RESIDU	0.	-0.045	0.	0.046	0.11	-16.	-18.	-5.	13.	30.	-1.	0.15	729.	0.	-249.	-181.
22	STIRL	RESIDU	0.	-0.006	0.	0.005	0.08	-2.	-2.	-1.	1.	3.	-0.	0.12	4.	0.	-6.	-4.
26	STIRL	RESIDU	0.	-0.062	0.	0.050	0.09	-22.	-25.	-5.	14.	34.	-1.	0.20	259.	0.	99.	66.
28	STIRL	RESIDU	0.	-0.034	0.	0.024	0.04	-12.	-13.	-4.	7.	17.	-2.	0.09	-20.	0.	-1.	-0.
29	STIRL	RESIDU	0.	-0.032	0.	0.023	0.06	-11.	-13.	-4.	6.	17.	-2.	0.11	101.	0.	45.	29.
ALL	STIRL	RESIDU	0.	-0.269	0.	0.222	0.04	-94.	-108.	-27.	62.	153.	-8.	0.13	1615.	0.	-168.	-138.
20	HEGT85	COAL-A	0.	-0.049	0.	0.038	0.09	25.	-62.	-2.	54.	-10.	9.	0.21	-9571.	0.	-2711.	-1354.
22	HEGT85	COAL-A	0.	-0.008	0.	0.002	0.04	5.	-11.	-0.	8.	-4.	1.	0.15	-480.	0.	-124.	-30.
24	HEGT85	COAL-A	0.	-0.045	0.	0.051	0.17	-6.	-27.	-2.	25.	26.	3.	0.60	-11461.	0.	-3121.	-1862.
26	HEGT85	COAL-A	0.	-0.118	0.	0.020	0.04	19.	-107.	-6.	65.	-26.	9.	0.17	-2053.	0.	-454.	18.
28	HEGT85	COAL-A	0.	-0.047	0.	0.011	0.02	0.	-37.	-2.	19.	-3.	3.	0.23	-638.	0.	-127.	-1.
33	HEGT85	COAL-A	0.	-0.042	0.	0.007	0.00	-4.	-29.	-2.	12.	-2.	2.	0.19	-936.	0.	-218.	-92.
ALL	HEGT85	COAL-A	0.	-0.414	0.	0.172	0.03	53.	-364.	-21.	246.	-26.	37.	0.20	-33678.	0.	-9049.	-4449.
20	HEGT60	COAL-A	0.	-0.064	0.	0.030	0.07	25.	-74.	-3.	56.	-17.	9.	0.18	-10058.	0.	-2886.	-1453.

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FUEL UNITS =
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COST = \$*10**9REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING \$*****				- - EMISSIONS SAVING \$ - -				CAPITL--ELECTRIC POWER---						
		ECS *****DIRECT*****	TOTAL	FESR	DIRECT	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC					
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH	SAVED			
22	HEGT60	COAL-A	0.	-0.008	0.	0.002	0.04	4.	-10.	-0.	8.	-4.	1. 0.15 -460.	0.	-119.	-27.
24	HEGT60	COAL-A	0.	-0.139	0.	0.116	0.38	-19.	-84.	-7.	63.	56.	8. 0.49-20216.	0.	-5374.	-3172.
26	HEGT60	COAL-A	0.	-0.112	0.	0.026	0.05	19.	-103.	-6.	64.	-22.	10. 0.18 -1880.	0.	-401.	54.
28	HEGT60	COAL-A	0.	-0.042	0.	0.010	0.02	36.	-66.	-2.	54.	-32.	9. 0.18 -2142.	0.	-536.	-7.
29	HEGT60	COAL-A	0.	-0.055	0.	0.001	0.00	23.	-64.	-3.	42.	-29.	7. 0.11 -705.	0.	-165.	135.
33	HEGT60	COAL-A	0.	-0.063	0.	0.004	0.00	-9.	-40.	-3.	13.	-3.	1. 0.15 -91.	0.	-36.	3.
ALL	HEGT60	COAL-A	0.	-0.661	0.	0.258	0.05	107.	-605.	-33.	411.	-71.	63. 0.18-48780.	0.	-13059.	-6129.
20	HEGT00	COAL-A	0.	-0.054	0.	0.022	0.05	21.	-65.	-3.	47.	-18.	8. 0.17 -6048.	0.	-1740.	-786.
22	HEGT00	COAL-A	0.	-0.008	0.	0.002	0.05	4.	-10.	-0.	8.	-4.	1. 0.15 -428.	0.	-111.	-22.
24	HEGT00	COAL-A	0.	-0.084	0.	0.121	0.40	-11.	-50.	-4.	54.	61.	8. 0.65-17190.	0.	-4614.	-2719.
26	HEGT00	COAL-A	0.	-0.087	0.	0.025	0.05	15.	-83.	-4.	52.	-17.	8. 0.18 -1294.	0.	-266.	95.
28	HEGT00	COAL-A	0.	-0.417	0.	0.077	0.13	325.	-643.	-21.	499.	-314.	87. 0.18-16151.	0.	-4050.	571.
29	HEGT00	COAL-A	0.	-0.046	0.	0.010	0.02	22.	-58.	-2.	41.	-23.	7. 0.14 -550.	0.	-112.	174.
ALL	HEGT00	COAL-A	0.	-0.894	0.	0.331	0.06	486.	-1170.	-45.	903.	-405.	155. 0.17-53598.	0.	-14014.	-3456.
20	FCMCCL	COAL	0.	-0.033	0.	0.038	0.09	14.	3.	2.	38.	45.	10. 0.42 -6088.	0.	-1815.	-950.
22	FCMCCL	COAL	0.	-0.005	0.	0.005	0.10	2.	-2.	0.	6.	4.	2. 0.34 -410.	0.	-103.	-17.
26	FCMCCL	COAL	0.	-0.034	0.	0.039	0.07	15.	6.	2.	40.	50.	10. 0.73 -919.	0.	-158.	83.
28	FCMCCL	COAL	0.	-0.022	0.	0.025	0.04	9.	-20.	1.	26.	11.	11. 0.25 -1488.	0.	-347.	74.
29	FCMCCL	COAL	0.	-0.026	0.	0.029	0.07	11.	-12.	1.	30.	24.	11. 0.35 -576.	0.	-89.	200.
ALL	FCMCCL	COAL	0.	-0.194	0.	0.222	0.04	85.	-39.	11.	226.	216.	72. 0.39-15375.	0.	-4074.	-989.
20	FCSTCL	COAL	0.	-0.031	0.	0.039	0.10	8.	-7.	1.	32.	34.	9. 0.33 -5871.	0.	-1827.	-983.
22	FCSTCL	COAL	0.	-0.004	0.	0.006	0.10	1.	-3.	0.	5.	3.	2. 0.28 -393.	0.	-100.	-15.
26	FCSTCL	COAL	0.	-0.033	0.	0.041	0.07	10.	-2.	1.	35.	41.	10. 0.63 -890.	0.	-150.	89.
28	FCSTCL	COAL	0.	-0.023	0.	0.028	0.05	8.	-26.	1.	26.	8.	12. 0.28 -1170.	0.	-259.	151.
29	FCSTCL	COAL	0.	-0.025	0.	0.031	0.07	8.	-17.	1.	27.	18.	11. 0.30 -551.	0.	-80.	207.
33	FCSTCL	COAL	0.	-0.013	0.	0.017	0.01	4.	5.	1.	14.	21.	3. 0.98 -294.	0.	-49.	3.
ALL	FCSTCL	COAL	0.	-0.204	0.	0.253	0.05	62.	-80.	8.	216.	198.	72. 0.39-14396.	0.	-3871.	-863.
20	IGGTST	COAL	0.	-0.038	0.	0.032	0.08	-13.	-44.	1.	10.	-3.	10. 0.05 -6309.	0.	-1989.	-1103.
22	IGGTST	COAL	0.	-0.006	0.	0.004	0.08	-2.	-9.	0.	1.	-3.	2. 0.02 -393.	0.	-102.	-18.
26	IGGTST	COAL	0.	-0.042	0.	0.032	0.06	-15.	-45.	2.	10.	-1.	10. 0.15 -836.	0.	-138.	94.

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FUEL UNITS
EMISSION UNITS
COST \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWER

PROCS	ECS	*****FUEL SAVING \$*****				-----EMISSIONS SAVING \$-----				CAPITL--ELECTRIC POWER---				EMSR	SAVING	TOTAL EXPORT MWH	COST LAEC SAVED	
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	NOX	SOX	PART	NOX	SOX	PART						
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL												
28	IGGTST	COAL	0.	-0.025	0.	0.018	0.03	-9.	-49.	1.	6.	-20.	10.	-0.00	-939.	0.	-211.	138.
29	IGGTST	COAL	0.	-0.032	0.	0.024	0.06	-11.	-50.	1.	8.	-15.	11.	0.02	-485.	0.	-65.	214.
ALL	IGGTST	COAL	0.	-0.232	0.	0.181	0.03	-81.	-321.	9.	58.	-68.	70.	0.04	-14615.	0.	-4083.	-1100.
20	GTSCAR	RESIDU	-0.048	0.	-0.048	0.094	0.11	-18.	-18.	-0.	12.	33.	5.	0.25	6.	0.	-402.	-256.
22	GTSCAR	RESIDU	-0.005	0.	-0.005	0.010	0.09	-2.	-2.	-0.	1.	3.	1.	0.22	11.	0.	-4.	-2.
26	GTSCAR	RESIDU	-0.076	0.	-0.076	0.138	0.11	-20.	-29.	-1.	25.	47.	8.	0.37	679.	0.	213.	134.
28	GTSCAR	RESIDU	-0.049	0.	-0.049	0.077	0.05	-17.	-18.	-0.	8.	24.	4.	0.16	90.	0.	7.	-5.
29	GTSCAR	RESIDU	-0.033	0.	-0.033	0.056	0.05	-12.	-13.	-0.	6.	18.	3.	0.21	254.	0.	79.	46.
ALL	GTSCAR	RESIDU	-0.309	0.	-0.309	0.545	0.04	-101.	-116.	-2.	74.	182.	30.	0.25	1517.	0.	-155.	-121.
20	GTAC08	RESIDU	0.	-0.045	0.	0.049	0.12	-41.	-18.	-5.	-11.	32.	-1.	0.06	555.	0.	-254.	-165.
22	GTAC08	RESIDU	0.	-0.005	0.	0.005	0.10	-5.	-2.	-1.	-1.	3.	-0.	0.06	28.	0.	3.	3.
26	GTAC08	RESIDU	0.	-0.052	0.	0.060	0.11	-35.	-21.	-4.	1.	39.	0.	0.16	635.	0.	224.	155.
28	GTAC08	RESIDU	0.	-0.032	0.	0.036	0.06	-31.	-13.	-4.	-9.	24.	-1.	0.05	168.	0.	65.	49.
29	GTAC08	RESIDU	0.	-0.026	0.	0.030	0.07	-26.	-10.	-3.	-8.	19.	-1.	0.06	334.	0.	122.	83.
ALL	GTAC08	RESIDU	0.	-0.238	0.	0.269	0.05	-204.	-95.	-25.	-43.	175.	-4.	0.08	2568.	0.	237.	187.
20	GTAC12	RESIDU	0.	-0.044	0.	0.050	0.12	-38.	-17.	-5.	-8.	32.	-1.	0.08	523.	0.	-264.	-170.
22	GTAC12	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-1.	-1.	3.	-0.	0.07	27.	0.	3.	3.
26	GTAC12	RESIDU	0.	-0.066	0.	0.072	0.13	-41.	-26.	-5.	3.	47.	0.	0.17	742.	0.	263.	181.
28	GTAC12	RESIDU	0.	-0.032	0.	0.036	0.06	-29.	-13.	-3.	-7.	23.	-1.	0.05	161.	0.	63.	48.
29	GTAC12	RESIDU	0.	-0.027	0.	0.029	0.07	-24.	-11.	-3.	-6.	19.	-1.	0.07	291.	0.	110.	76.
ALL	GTAC12	RESIDU	0.	-0.253	0.	0.281	0.05	-198.	-101.	-24.	-28.	183.	-3.	0.09	2551.	0.	255.	201.
20	GTAC16	RESIDU	0.	-0.044	0.	0.050	0.12	-38.	-17.	-4.	-7.	32.	-1.	0.08	393.	0.	-296.	-189.
22	GTAC16	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-1.	-1.	3.	-0.	0.07	22.	0.	1.	2.
24	GTAC16	RESIDU	0.	-0.250	0.	0.005	0.02	-96.	-100.	-13.	-16.	32.	-8.	-0.08	-85.	0.	-829.	-724.
26	GTAC16	RESIDU	0.	-0.067	0.	0.071	0.13	-39.	-27.	-5.	4.	47.	0.	0.17	696.	0.	247.	170.
28	GTAC16	RESIDU	0.	-0.044	0.	0.044	0.07	-37.	-18.	-4.	-9.	29.	-1.	0.06	182.	0.	67.	49.
29	GTAC16	RESIDU	0.	-0.028	0.	0.028	0.07	-23.	-11.	-3.	-6.	18.	-1.	0.07	268.	0.	100.	68.
ALL	GTAC16	RESIDU	0.	-0.627	0.	0.290	0.05	-339.	-251.	-44.	-49.	232.	-15.	0.10	2114.	0.	-1017.	-894.
20	GTWC16	RESIDU	0.	-0.050	0.	0.044	0.11	-39.	-20.	-5.	-9.	30.	-1.	0.06	89.	0.	-392.	-256.

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				- - - EMISSIONS SAVINGS - - -				CAPITL--ELECTRIC POWER---							
		ECS	*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED				
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	MWH				
22	GTWC16	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-1.	3.	-0.05	15.	0.	-2.	-1.	
24	GTWC16	RESIDU	0.	-0.050	0.	0.001	0.00	-26.	-20.	-3.	-10.	-2.	-0.12	96.	0.	-43.	-62.
26	GTWC16	RESIDU	0.	-0.073	0.	0.064	0.12	-43.	-29.	-5.	1.	-0.015	705.	0.	228.	148.	
28	GTWC16	RESIDU	0.	-0.045	0.	0.040	0.07	-37.	-18.	-4.	-10.	-1.	0.05	137.	0.	47.	33.
29	GTWC16	RESIDU	0.	-0.030	0.	0.026	0.06	-24.	-12.	-3.	-7.	-1.	0.05	278.	0.	97.	63.
ALL	GTWC16	RESIDU	0.	-0.364	0.	0.259	0.05	-250.	-146.	-31.	-52.	-9.	0.08	1898.	0.	-93.	-107.
20	CC1626	RESIDU	0.	-0.049	0.	0.044	0.11	-34.	-20.	-4.	-5.	-1.	0.08	-80.	0.	-518.	-377.
22	CC1626	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	-0.	0.07	13.	0.	-5.	-4.
24	CC1626	RESIDU	0.	-0.217	0.	0.035	0.12	-81.	-87.	-11.	-2.	-5.	0.11	-718.	0.	-1024.	-866.
26	CC1626	RESIDU	0.	-0.074	0.	0.064	0.12	-37.	-30.	-5.	7.	0.	0.17	652.	0.	208.	129.
28	CC1626	RESIDU	0.	-0.033	0.	0.028	0.05	-24.	-13.	-3.	-5.	-1.	0.06	201.	0.	57.	32.
29	CC1626	RESIDU	0.	-0.030	0.	0.025	0.06	-23.	-12.	-3.	-5.	-1.	0.06	275.	0.	92.	57.
33	CC1626	RESIDU	0.	-0.073	0.	0.028	0.02	-48.	-29.	-6.	-16.	-3.	0.07	839.	0.	135.	58.
ALL	CC1626	RESIDU	0.	-0.691	0.	0.328	0.06	-361.	-276.	-47.	-38.	-14.	0.09	1695.	0.	-1512.	-1392.
20	CC1622	RESIDU	0.	-0.047	0.	0.046	0.11	-34.	-19.	-4.	-4.	-1.	0.09	161.	0.	-453.	-336.
22	CC1622	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	-0.	0.07	20.	0.	-2.	-2.
24	CC1622	RESIDU	0.	-0.220	0.	0.032	0.10	-83.	-88.	-12.	-4.	-6.	0.09	-319.	0.	-937.	-821.
26	CC1622	RESIDU	0.	-0.071	0.	0.067	0.12	-36.	-28.	-5.	8.	1.	0.18	652.	0.	218.	141.
28	CC1622	RESIDU	0.	-0.032	0.	0.029	0.05	-24.	-13.	-3.	-5.	-1.	0.06	211.	0.	64.	38.
29	CC1622	RESIDU	0.	-0.029	0.	0.027	0.07	-22.	-12.	-3.	-5.	-1.	0.07	269.	0.	95.	61.
33	CC1622	RESIDU	0.	-0.025	0.	0.023	0.01	-19.	-10.	-2.	-4.	-1.	0.18	227.	0.	64.	42.
ALL	CC1622	RESIDU	0.	-0.617	0.	0.329	0.06	-320.	-247.	-42.	-20.	-11.	0.11	1758.	0.	-1370.	-1264.
20	CC1222	RESIDU	0.	-0.047	0.	0.047	0.11	-33.	-19.	-4.	-4.	-0.	0.09	275.	0.	-425.	-319.
22	CC1222	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	-0.	0.07	24.	0.	-1.	-1.
24	CC1222	RESIDU	0.	-0.219	0.	0.032	0.11	-83.	-88.	-12.	-3.	-5.	0.09	-89.	0.	-881.	-789.
26	CC1222	RESIDU	0.	-0.070	0.	0.067	0.12	-36.	-28.	-5.	8.	1.	0.18	685.	0.	228.	147.
28	CC1222	RESIDU	0.	-0.031	0.	0.029	0.05	-24.	-12.	-3.	-5.	-1.	0.06	229.	0.	69.	41.
29	CC1222	RESIDU	0.	-0.029	0.	0.027	0.07	-22.	-11.	-3.	-5.	-1.	0.07	281.	0.	99.	63.
33	CC1222	RESIDU	0.	-0.025	0.	0.024	0.01	-19.	-10.	-2.	-4.	-0.	0.19	243.	0.	69.	45.
ALL	CC1222	RESIDU	0.	-0.614	0.	0.332	0.06	-318.	-246.	-42.	-19.	-10.	0.11	2375.	0.	-1214.	-1169.
20	CC0822	RESIDU	0.	-0.044	0.	0.050	0.12	-33.	-18.	-4.	-3.	-0.	0.10	115.	0.	-451.	-327.

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COGENERATION TECHNOLOGY

ALTERNATIVES STUDY

FUEL UNITS =

EMISSION UNITS =

COST

=\$*10**9

REPORT 6.1

TIME 1990

FUEL AND EMISSIONS SAVINGS

LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVINGS*****				*****EMISSIONS SAVINGS*****								CAPITL--ELECTRIC POWER---			
		ECS ****DIRECT****	TOTAL	FESR	DIRECT	NOX	SOX	PART	NOX	SOX	PART	EMSR	SAVING	TOTAL	COST	LAEC	
		FUEL OIL+GAS	COAL OIL+GAS	COAL										EXPORT		SAVED	
														MWH			
22	CC0822	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-0.	-1.	3.	-0.008	20.	0.	-1.	
24	CC0822	RESIDU	0.	-0.226	0.	0.016	0.05	-87.	-91.	-12.	-11.	35.	-7.001	-385.	0.	-970.	
26	CC0822	RESIDU	0.	-0.066	0.	0.072	0.13	-36.	-26	-5.	8.	47.	1.019	733.	0.	255.	
28	CC0822	RESIDU	0.	-0.029	0.	0.031	0.05	-24.	-12.	-3.	-5.	21.	-0.007	226.	0.	75.	
29	CC0822	RESIDU	0.	-0.027	0.	0.029	0.07	-23.	-11.	-3.	-5.	19.	-1.007	289.	0.	107.	
ALL	CC0822	RESIDU	0.	-0.582	0.	0.299	0.06	-304.	-233.	-40.	-25.	231.	-11.011	1466.	0.	-1448.	
20	STIG15	RESIDU	0.	-0.077	0.	0.016	0.04	-45.	-31.	-2.	-15.	18.	0.000	-386.	0.	-820.	
22	STIG15	RESIDU	0.	-0.008	0.	0.002	0.03	-5.	-3.	-0.	-2.	2.	0.000	14.	0.	-13.	
24	STIG15	RESIDU	0.	-0.215	0.	0.042	0.14	-76.	-86.	-11.	5.	48.	-4.020	-880.	0.	-945.	
26	STIG15	RESIDU	0.	-0.114	0.	0.024	0.04	-51.	-46.	-5.	-7.	26.	-1.005	563.	0.	49.	
28	STIG15	RESIDU	0.	-0.104	0.	0.022	0.04	-62.	-42.	-3.	-22.	24.	0.001	510.	0.	38.	
33	STIG15	RESIDU	0.	-0.040	0.	0.008	0.01	-24.	-16.	-1.	-9.	9.	0.001	179.	0.	-1.	
ALL	STIG15	RESIDU	0.	-0.719	0.	0.146	0.03	-339.	-288.	-29.	-65.	164.	-7.003	-1.	0.	-1921.	
20	STIG10	RESIDU	0.	-0.070	0.	0.023	0.06	-44.	-28.	-2.	-14.	21.	1.002	30.	0.	-493.	
22	STIG10	RESIDU	0.	-0.008	0.	0.002	0.05	-5.	-3.	-0.	-2.	2.	0.002	22.	0.	-9.	
24	STIG10	RESIDU	0.	-0.226	0.	0.030	0.10	-82.	-91.	-11.	-1.	43.	-5.015	-504.	0.	-883.	
26	STIG10	RESIDU	0.	-0.104	0.	0.034	0.06	-49.	-41.	-4.	-5.	31.	-0.008	684.	0.	115.	
28	STIG10	RESIDU	0.	-0.062	0.	0.020	0.03	-39.	-25.	-2.	-13.	18.	1.005	358.	0.	55.	
33	STIG10	RESIDU	0.	-0.037	0.	0.012	0.01	-24.	-15.	-1.	-8.	11.	0.005	210.	0.	20.	
ALL	STIG10	RESIDU	0.	-0.658	0.	0.159	0.03	-315.	-263.	-26.	-57.	164.	-4.006	1038.	0.	-1552.	
20	STIG1S	RESIDU	0.	-0.067	0.	0.026	0.06	-44.	-27.	-2.	-14.	22.	1.003	147.	0.	-454.	
22	STIG1S	RESIDU	0.	-0.007	0.	0.003	0.05	-5.	-3.	-0.	-2.	2.	0.002	24.	0.	-7.	
24	STIG1S	RESIDU	0.	-0.242	0.	0.014	0.05	-90.	-97.	-12.	-9.	36.	-6.006	-365.	0.	-903.	
26	STIG1S	RESIDU	0.	-0.099	0.	0.039	0.07	-49.	-40.	-4.	-6.	33.	0.009	707.	0.	135.	
28	STIG1S	RESIDU	0.	-0.045	0.	0.018	0.03	-30.	-18.	-1.	-10.	15.	1.006	294.	0.	54.	
33	STIG1S	RESIDU	0.	-0.035	0.	0.014	0.01	-24.	-14.	-1.	-8.	12.	1.006	228.	0.	30.	
ALL	STIG1S	RESIDU	0.	-0.646	0.	0.148	0.03	-315.	-258.	-25.	-65.	156.	-4.007	1351.	0.	-1493.	
20	DEADV3	RESIDU	0.	-0.047	0.	0.042	0.10	-59.	-19.	-4.	-30.	29.	-1.003	-1431.	0.	-758.	
22	DEADV3	RESIDU	0.	-0.006	0.	0.004	0.07	-7.	-3.	-1.	-4.	3.	-0.005	-47.	0.	-21.	
24	DEADV3	RESIDU	0.	-0.219	0.	0.038	0.12	-84.	-88.	-11.	-3.	46.	-5.010	-3642.	0.	-1625.	

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWER

PROCS	ECS	ECS	*****FUEL SAVING*****				*****EMISSIONS SAVING*****				*****CAPITL--ELECTRIC POWER---					
			*****DIRECT*****	-----TOTAL-----	-----FESR-----	-----DIRECT-----	*****TOTAL*****	*****EMSR SAVING	TOTAL	COST	LAEC					
			FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH	SAVED		
26	DEADV3	RESIDU	0.	-0.090	0.	0.048	0.09	-59.	-36.	-6.	-16.	37.	-1. 0.03 131.	0.	35.	8.
28	DEADV3	RESIDU	0.	-0.041	0.	0.022	0.04	-45.	-16.	-3.	-26.	17.	-1.-0.14 2.	0.	3.	-3.
33	DEADV3	RESIDU	0.	-0.069	0.	0.031	0.02	-67.	-28.	-5.	-35.	25.	-2.-0.12 273.	0.	11.	-5.
ALL	DEADV3	RESIDU	0.	-0.619	0.	0.242	0.05	-421.	-248.	-40.	-149.	205.	-14.-0.08 -6172.	0.	-3083.	-2117.
20	DEHTPM	RESIDU	0.	-0.040	0.	0.054	0.13	-59.	-16.	-4.	-29.	34.	0. 0.01 -1411.	0.	-784.	-467.
22	DEHTPM	RESIDU	0.	-0.005	0.	0.005	0.10	-7.	-2.	-0.	-4.	3.	-0.-0.02 -49.	0.	-17.	-9.
24	DEHTPM	RESIDU	0.	-0.139	0.	0.004	0.01	-69.	-56.	-8.	-23.	19.	-5.-0.27 -2443.	0.	-1157.	-830.
26	DEHTPM	RESIDU	0.	-0.067	0.	0.071	0.13	-61.	-27.	-5.	-17.	47.	0. 0.07 145.	0.	112.	92.
28	DEHTPM	RESIDU	0.	-0.043	0.	0.036	0.06	-65.	-17.	-4.	-40.	24.	-1.-0.06 -315.	0.	-64.	-32.
29	DEHTPM	RESIDU	0.	-0.031	0.	0.024	0.06	-49.	-12.	-3.	-31.	17.	-1.-0.08 -38.	0.	15.	13.
ALL	DEHTPM	RESIDU	0.	-0.468	0.	0.280	0.05	-445.	-187.	-36.	-208.	208.	-10.-0.02 -5916.	0.	-2699.	-1773.
20	DESOA3	DISTIL	-0.049	0.	-0.049	0.088	0.09	-120.	28.	1.	-93.	69.	-2.-0.15 -131.	0.	-494.	-485.
22	DESOA3	DISTIL	-0.007	0.	-0.007	0.010	0.06	-15.	5.	0.	-12.	9.	-1.-0.12 -35.	0.	-25.	-43.
24	DESOA3	DISTIL	-0.225	0.	-0.225	0.257	0.10	-28.	-36.	0.	53.	97.	6. 0.43 -1168.	0.	-1234.	-1026.
26	DESOA3	DISTIL	-0.098	0.	-0.098	0.138	0.07	-80.	22.	1.	-38.	89.	-1. 0.05 -82.	0.	-111.	-273.
28	DESOA3	DISTIL	-0.058	0.	-0.058	0.084	0.04	-128.	10.	1.	-102.	51.	-0.-0.71 -58.	0.	-67.	-150.
33	DESOA3	DISTIL	-0.104	0.	-0.104	0.140	0.02	-197.	-11.	0.	-153.	61.	3.-0.64 56.	0.	-163.	-185.
ALL	DESOA3	DISTIL	-0.698	0.	-0.698	0.923	0.04	-732.	23.	5.	-446.	487.	6.-0.47 -1829.	0.	-2699.	-2786.
20	DESOA3	RESIDU	-0.049	0.	-0.049	0.088	0.09	-285.	-19.	-0.	-256.	30.	5.-1.34 -131.	0.	-457.	-307.
22	DESOA3	RESIDU	-0.007	0.	-0.007	0.010	0.06	-36.	-3.	-0.	-33.	3.	1.-1.25 -35.	0.	-20.	-14.
24	DESOA3	RESIDU	-0.225	0.	-0.225	0.257	0.10	-73.	-85.	-2.	10.	56.	13.-0.13 -1168.	0.	-1068.	-839.
26	DESOA3	RESIDU	-0.098	0.	-0.098	0.138	0.07	-208.	-37.	-1.	-162.	39.	7.-0.92 -82.	0.	-39.	-47.
28	DESOA3	RESIDU	-0.058	0.	-0.058	0.084	0.04	-289.	-22.	-0.	-262.	24.	5.-2.54 -58.	0.	-24.	-27.
33	DESOA3	RESIDU	-0.104	0.	-0.104	0.140	0.02	-425.	-39.	-1.	-380.	37.	7.-2.40 56.	0.	-86.	-77.
ALL	DESOA3	RESIDU	-0.698	0.	-0.698	0.923	0.04	-1693.	-263.	-6.	-1396.	242.	49.-2.03 -1829.	0.	-2186.	-1691.
20	GTSCAD	DISTIL	-0.045	0.	-0.045	0.094	0.12	-17.	-7.	0.	12.	42.	4. 0.39 657.	0.	-270.	-341.
22	GTSCAD	DISTIL	-0.005	0.	-0.005	0.010	0.09	-2.	-1.	0.	1.	5.	0. 0.36 34.	0.	-0.	-25.
26	GTSCAD	DISTIL	-0.069	0.	-0.069	0.138	0.13	-15.	-11.	0.	28.	62.	5. 0.54 809.	0.	216.	-26.
28	GTSCAD	DISTIL	-0.035	0.	-0.035	0.069	0.06	-14.	-6.	0.	8.	31.	3. 0.30 197.	0.	37.	-211.
29	GTSCAD	DISTIL	-0.028	0.	-0.028	0.056	0.07	-11.	-5.	0.	6.	25.	2. 0.36 310.	0.	87.	-79.

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL (SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING \$****	*****EMISSIONS SAVING \$****	*****CAPITL--ELECTRIC POWER---													
		FUEL OIL+GAS	COAL OIL+GAS	COAL	FESR	DIRECT	NOX	SOX	PART	NOX	SOX	PART	EMSR	SAVING	TOTAL EXPORT	COST	LAEC
															MWH		SAVED
ALL	GTSOAD DISTIL	-0.267	0.	-0.267	0.535	0.05	-88.	-43.	0.	82.	241.	21.	0.40	2933.	0.	102.	-996.
20	GTRA08 DISTIL	0.	-0.047	0.	0.047	0.11	-2.	8.	5.	29.	64.	18.	0.45	-237.	0.	-492.	-470.
22	GTRA08 DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	5.	0.	-8.	-30.
24	GTRA08 DISTIL	0.	-0.228	0.	0.029	0.10	-56.	-64.	-4.	27.	77.	11.	0.45	-1116.	0.	-1169.	-967.
26	GTRA08 DISTIL	0.	-0.075	0.	0.063	0.12	-4.	0.	5.	41.	81.	20.	0.49	594.	0.	143.	-79.
28	GTRA08 DISTIL	0.	-0.076	0.	0.042	0.07	19.	-32.	14.	61.	111.	39.	0.43	87.	0.	-58.	-452.
29	GTRA08 DISTIL	0.	-0.033	0.	0.022	0.05	2.	9.	5.	22.	44.	14.	0.43	236.	0.	51.	-110.
33	GTRA08 DISTIL	0.	-0.070	0.	0.028	0.02	-28.	-17.	-1.	4.	37.	6.	0.45	709.	0.	60.	-24.
ALL	GTRA08 DISTIL	0.	-0.740	0.	0.329	0.06	-94.	-42.	34.	260.	585.	153.	0.45	387.	0.	-2044.	-2957.
20	GTRA12 DISTIL	0.	-0.046	0.	0.047	0.12	-2.	8.	5.	29.	64.	18.	0.45	-119.	0.	-462.	-452.
22	GTRA12 DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.44	7.	0.	-7.	-29.
24	GTRA12 DISTIL	0.	-0.227	0.	0.030	0.10	-56.	-64.	-4.	27.	77.	12.	0.45	-917.	0.	-1118.	-937.
26	GTRA12 DISTIL	0.	-0.073	0.	0.065	0.12	-4.	1.	5.	42.	81.	20.	0.50	582.	0.	147.	-73.
28	GTRA12 DISTIL	0.	-0.070	0.	0.044	0.07	19.	32.	13.	59.	107.	37.	0.43	110.	0.	-36.	-415.
29	GTRA12 DISTIL	0.	-0.032	0.	0.024	0.06	3.	9.	5.	22.	44.	14.	0.43	242.	0.	57.	-104.
33	GTRA12 DISTIL	0.	-0.050	0.	0.020	0.01	-20.	-12.	-0.	2.	26.	4.	0.44	506.	0.	43.	-17.
ALL	GTRA12 DISTIL	0.	-0.701	0.	0.327	0.06	-82.	-34.	34.	259.	570.	150.	0.45	573.	0.	-1913.	-2825.
20	GTRA16 DISTIL	0.	-0.046	0.	0.047	0.12	-3.	8.	5.	29.	65.	18.	0.45	-268.	0.	-496.	-471.
22	GTRA16 DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.44	0.	0.	-9.	-30.
24	GTRA16 DISTIL	0.	-0.233	0.	0.024	0.08	-58.	-65.	-4.	25.	75.	11.	0.43	-1187.	0.	-1205.	-999.
26	GTRA16 DISTIL	0.	-0.072	0.	0.065	0.12	-4.	1.	5.	41.	81.	20.	0.50	543.	0.	140.	-76.
28	GTRA16 DISTIL	0.	-0.064	0.	0.043	0.07	18.	31.	13.	56.	102.	35.	0.43	51.	0.	-40.	-392.
29	GTRA16 DISTIL	0.	-0.031	0.	0.024	0.06	3.	9.	5.	22.	45.	14.	0.43	228.	0.	56.	-103.
33	GTRA16 DISTIL	0.	-0.016	0.	0.014	0.01	-7.	-3.	0.	3.	14.	2.	0.49	101.	0.	20.	-1.
ALL	GTRA16 DISTIL	0.	-0.657	0.	0.313	0.06	-70.	-24.	34.	252.	547.	145.	0.45	-745.	0.	-2153.	-2906.
20	GTR208 DISTIL	0.	-0.046	0.	0.047	0.12	-4.	8.	5.	28.	64.	18.	0.44	96.	0.	-411.	-424.
22	GTR208 DISTIL	0.	-0.005	0.	0.005	0.09	0.	2.	1.	4.	8.	3.	0.43	15.	0.	-6.	-28.
24	GTR208 DISTIL	0.	-0.162	0.	0.002	0.01	-43.	-45.	-3.	10.	45.	7.	0.34	-478.	0.	-829.	-713.
26	GTR208 DISTIL	0.	-0.073	0.	0.065	0.12	-6.	1.	5.	39.	81.	20.	0.49	685.	0.	173.	-58.
28	GTR208 DISTIL	0.	-0.053	0.	0.038	0.07	15.	27.	11.	47.	88.	30.	0.43	139.	0.	-6.	-316.

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FUEL UNITS =
EMISSION UNITS =
COST = \$*10**9
REPORT 8.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=PCWR

PROCS	ECS	ECS	*****FUEL SAVING S*****				-----EMISSIONS SAVING S-----				CAPITL--ELECTRIC POWER---							
			*****DIRECT*****	TOTAL	FESR	DIRECT	TOTAL	EMSR	SAVING	TOTAL	COST	LAEC	SAVED					
			FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT	MWH					
29	GTR208	DISTIL	0.	-0.031	0.	0.025	0.06	2.	10.	5.	21.	45.	14.	0.43	257.	0.	64.	-98.
ALL	GTR208	DISTIL	0.	-0.532	0.	0.262	0.05	-51.	2.	33.	214.	474.	131.	0.45	1023.	0.	-1454.	-2345.
20	GTR212	DISTIL	0.	-0.047	0.	0.047	0.11	-3.	8.	5.	28.	64.	18.	0.44	-15.	0.	-440.	-441.
22	GTR212	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	11.	0.	-7.	-29.
24	GTR212	DISTIL	0.	-0.248	0.	0.010	0.03	-61.	-69.	-4.	21.	71.	11.	0.38	-775.	0.	-1162.	-1005.
26	GTR212	DISTIL	0.	-0.073	0.	0.065	0.12	-6.	1.	5.	40.	81.	20.	0.49	656.	0.	165.	-53.
28	GTR212	DISTIL	0.	-0.056	0.	0.040	0.07	16.	28.	11.	50.	92.	32.	0.43	117.	0.	-13.	-334.
29	GTR212	DISTIL	0.	-0.031	0.	0.025	0.06	2.	10.	5.	21.	45.	14.	0.43	256.	0.	64.	-98.
ALL	GTR212	DISTIL	0.	-0.653	0.	0.273	0.05	-74.	-30.	32.	233.	515.	138.	0.45	354.	0.	-1985.	-2808.
20	GTR216	DISTIL	0.	-0.046	0.	0.048	0.12	-3.	8.	5.	28.	65.	18.	0.45	-72.	0.	-449.	-444.
22	GTR216	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	7.	0.	-7.	-29.
24	GTR216	DISTIL	0.	-0.241	0.	0.015	0.05	-60.	-68.	-4.	22.	73.	11.	0.40	-863.	0.	-1162.	-993.
26	GTR216	DISTIL	0.	-0.072	0.	0.066	0.12	-5.	1.	5.	41.	82.	20.	0.49	621.	0.	162.	-62.
28	GTR216	DISTIL	0.	-0.057	0.	0.042	0.07	17.	29.	12.	52.	95.	33.	0.43	96.	0.	-16.	-345.
29	GTR216	DISTIL	0.	-0.031	0.	0.025	0.06	3.	10.	5.	22.	45.	14.	0.43	242.	0.	62.	-98.
33	GTR216	DISTIL	0.	-0.007	0.	0.007	0.00	-3.	-1.	0.	1.	7.	1.	0.49	52.	0.	11.	1.
ALL	GTR216	DISTIL	0.	-0.649	0.	0.295	0.06	-72.	-27.	32.	241.	529.	141.	0.45	119.	0.	-1980.	-2769.
20	GTRW08	DISTIL	0.	-0.054	0.	0.039	0.10	-4.	6.	5.	27.	62.	18.	0.43	-335.	0.	-551.	-523.
22	GTRW08	DISTIL	0.	-0.006	0.	0.004	0.07	0.	2.	1.	4.	8.	3.	0.42	3.	0.	-12.	-33.
24	GTRW08	DISTIL	0.	-0.232	0.	0.025	0.08	-56.	-65.	-4.	26.	75.	11.	0.45	-1276.	0.	-1227.	-1011.
26	GTRW08	DISTIL	0.	-0.085	0.	0.053	0.10	-7.	-3.	4.	39.	78.	20.	0.47	601.	0.	105.	-123.
28	GTRW08	DISTIL	0.	-0.080	0.	0.036	0.06	17.	30.	13.	58.	107.	38.	0.42	67.	0.	-83.	-469.
29	GTRW08	DISTIL	0.	-0.036	0.	0.019	0.05	2.	8.	4.	21.	43.	14.	0.42	238.	0.	38.	-124.
33	GTRW08	DISTIL	0.	-0.065	0.	0.025	0.02	-26.	-16.	-1.	3.	33.	5.	0.44	708.	0.	62.	-22.
ALL	GTRW08	DISTIL	0.	-0.775	0.	0.279	0.05	-103.	-53.	33.	247.	565.	151.	0.43	9.	0.	-2315.	-3197.
20	GTRW12	DISTIL	0.	-0.052	0.	0.041	0.10	-3.	6.	5.	28.	63.	18.	0.44	-331.	0.	-541.	-511.
22	GTRW12	DISTIL	0.	-0.006	0.	0.004	0.08	1.	2.	1.	4.	8.	3.	0.43	3.	0.	-11.	-32.
24	GTRW12	DISTIL	0.	-0.223	0.	0.033	0.11	-54.	-63.	-4.	28.	78.	12.	0.47	-1270.	0.	-1190.	-970.
26	GTRW12	DISTIL	0.	-0.081	0.	0.057	0.10	-5.	-2.	5.	40.	79.	20.	0.48	602.	0.	121.	-105.
28	GTRW12	DISTIL	0.	-0.074	0.	0.041	0.07	19.	31.	13.	60.	108.	38.	0.42	65.	0.	-62.	-443.

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REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

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FUEL UNITS EMISSION UNITS COST		* *		*****FUEL SAVING S*****		-----EMISSIONS SAVING S-----		CAPITL--ELECTRIC POWER---		(SAVINGS ARE POSITIVE)		TYPE MATCH=POWR	
PROCS	ECS	ECS	*****DIRECT*****	-----TOTAL-----	-----FESR-----	-----DIRECT-----	-----TOTAL-----	EMSR	SAVING	TOTAL	COST	LAEC	SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART	EXPORT
29	GTRW12	DISTIL	0.	-0.034	0.	0.021	0.05	2.	9.	5.	21.	44.	10. 0.42
33	GTRW12	DISTIL	0.	-0.060	0.	0.027	0.02	-24.	-15.	-0.	4.	33.	5. 0.45
ALL	GTRW12	DISTIL	0.	-0.736	0.	0.311	0.06	-89.	-43.	33.	258.	571.	50. 0.45
20	GTRW16	DISTIL	0.	-0.052	0.	0.042	0.10	-4.	6.	5.	28.	63.	18. 0.44
22	GTRW16	DISTIL	0.	-0.006	0.	0.004	0.08	1.	2.	1.	4.	8.	3. 0.43
24	GTRW16	DISTIL	0.	-0.228	0.	0.029	0.10	-56.	-64.	-4.	27.	77.	11. 0.46
26	GTRW16	DISTIL	0.	-0.080	0.	0.058	0.11	-6.	-1.	5.	40.	79.	20. 0.48
28	GTRW16	DISTIL	0.	-0.068	0.	0.041	0.07	18.	30.	13.	57.	103.	36. 0.42
29	GTRW16	DISTIL	0.	-0.034	0.	0.022	0.05	2.	9.	5.	21.	44.	14. 0.42
33	GTRW16	DISTIL	0.	-0.065	0.	0.027	0.02	-26.	-16.	-1.	4.	34.	6. 0.44
ALL	GTRW16	DISTIL	0.	-0.740	0.	0.308	0.06	-97.	-47.	32.	251.	566.	148. 0.44
20	GTR308	DISTIL	0.	-0.056	0.	0.038	0.09	-6.	5.	5.	25.	62.	18. 0.42
22	GTR308	DISTIL	0.	-0.006	0.	0.004	0.07	0.	2.	1.	4.	8.	3. 0.41
24	GTR308	DISTIL	0.	-0.051	0.	0.001	0.00	-17.	-14.	-1.	0.	14.	2. 0.33
26	GTR308	DISTIL	0.	-0.089	0.	0.049	0.09	-11.	-4.	4.	35.	77.	20. 0.45
28	GTR308	DISTIL	0.	-0.070	0.	0.028	0.05	12.	25.	11.	47.	90.	32. 0.41
29	GTR308	DISTIL	0.	-0.038	0.	0.017	0.04	0.	8.	4.	19.	43.	14. 0.40
33	GTR308	DISTIL	0.	-0.077	0.	0.014	0.01	-32.	-20.	-1.	-2.	31.	5. 0.36
ALL	GTR308	DISTIL	0.	-0.547	0.	0.213	0.04	-75.	2.	34.	179.	488.	132. 0.41
20	GTR312	DISTIL	0.	-0.052	0.	0.042	0.10	-4.	6.	5.	27.	63.	18. 0.43
22	GTR312	DISTIL	0.	-0.006	0.	0.004	0.08	0.	2.	1.	4.	8.	3. 0.43
24	GTR312	DISTIL	0.	-0.238	0.	0.019	0.06	-59.	-67.	-4.	24.	74.	11. 0.42
26	GTR312	DISTIL	0.	-0.079	0.	0.059	0.11	-6.	-1.	5.	39.	80.	20. 0.48
28	GTR312	DISTIL	0.	-0.058	0.	0.040	0.07	17.	28.	11.	51.	93.	32. 0.42
29	GTR312	DISTIL	0.	-0.033	0.	0.023	0.06	2.	9.	5.	21.	44.	14. 0.42
33	GTR312	DISTIL	0.	-0.055	0.	0.018	0.01	-23.	-14.	-0.	1.	26.	4. 0.41
ALL	GTR312	DISTIL	0.	-0.729	0.	0.288	0.05	-101.	-50.	31.	235.	545.	143. 0.43
20	GTR316	DISTIL	0.	-0.052	0.	0.041	0.10	-4.	6.	5.	27.	63.	18. 0.43
22	GTR316	DISTIL	0.	-0.006	0.	0.004	0.08	0.	2.	1.	4.	8.	3. 0.43
24	GTR316	DISTIL	0.	-0.240	0.	0.017	0.06	-59.	-67.	-4.	23.	73.	11. 0.41

HONEYWELL PAGE PRINTING SYSTEM - FILE 2

DATE 06/21/79
ISE PEO AES

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS
TIME 1990 LEVEL ALL

PAGE 25

FUEL UNITS
EMISSION UNITS=
COST = \$10**9

(SAVINGS ARE POSITIVE)

TYPE MATCH=POWR

PROCS	ECS	*****FUEL SAVING \$****				- - EMISSIONS SAVING \$ - - -				CAPITL--ELECTRIC POWER---								
		ECS ****DIRECT*****	-----TOTAL-----	FESR	-----DIRECT-----	*****TOTAL*****	EMSR	SAVING	TOTAL	COST	LAEC	SAVED						
		FUEL OIL+GAS	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART		EXPORT	MWH					
28	GTR316	DISTIL	0.	-0.079	0.	0.059	0.11	-7.	-1.	5.	39.	80.	20.	0.48	615.	0.	130.	-96.
28	GTR316	DISTIL	0.	-0.058	0.	0.039	0.07	16.	28.	11.	50.	92.	32.	0.42	79.	0.	-28.	-348.
29	GTR316	DISTIL	0.	-0.033	0.	0.023	0.06	2.	9.	5.	21.	44.	14.	0.42	258.	0.	58.	-105.
33	GTR316	DISTIL	0.	-0.056	0.	0.018	0.01	-23.	-14.	-1.	1.	27.	4.	0.41	505.	0.	47.	-25.
ALL	GTR316	DISTIL	0.	-0.735	0.	0.283	0.05	-105.	-53.	30.	232.	543.	143.	0.43	161.	0.	-2193.	-3004.
20	FCPADS	DISTIL	0.	-0.048	0.	0.039	0.09	11.	25.	6.	40.	77.	17.	0.57	293.	0.	-382.	-417.
22	FCPADS	DISTIL	0.	-0.007	0.	0.003	0.06	2.	4.	1.	6.	10.	3.	0.54	-3.	0.	-25.	-46.
24	FCPADS	DISTIL	0.	-0.214	0.	0.043	0.14	-49.	-57.	-3.	34.	83.	12.	0.58	-335.	0.	-1077.	-951.
26	FCPADS	DISTIL	0.	-0.093	0.	0.045	0.08	2.	7.	5.	47.	88.	20.	0.58	268.	0.	-143.	-339.
28	FCPADS	DISTIL	0.	-0.104	0.	0.050	0.09	30.	56.	14.	83.	153.	40.	0.67	49.	0.	-236.	-603.
29	FCPADS	DISTIL	0.	-0.037	0.	0.018	0.04	12.	21.	5.	31.	56.	15.	0.54	66.	0.	-62.	-207.
33	FCPADS	DISTIL	0.	-0.090	0.	0.043	0.03	-14.	4.	1.	29.	78.	10.	0.80	496.	0.	-147.	-210.
ALL	FCPADS	DISTIL	0.	-0.792	0.	0.323	0.06	-8.	80.	38.	360.	728.	156.	0.67	1113.	0.	-2766.	-3701.
20	FCMCDS	DISTIL	0.	-0.053	0.	0.041	0.10	-25.	25.	5.	6.	81.	18.	0.42	54.	0.	-472.	-483.
22	FCMCDS	DISTIL	0.	-0.006	0.	0.004	0.08	-2.	4.	1.	1.	10.	3.	0.42	-10.	0.	-21.	-41.
24	FCMCDS	DISTIL	0.	-0.197	0.	0.060	0.20	-50.	-53.	-3.	33.	88.	12.	0.54	-492.	0.	-1020.	-869.
26	FCMCDS	DISTIL	0.	-0.078	0.	0.060	0.11	-16.	10.	5.	30.	90.	20.	0.48	207.	0.	-85.	-268.
28	FCMCDS	DISTIL	0.	-0.088	0.	0.068	0.12	-33.	58.	13.	21.	157.	39.	0.44	-18.	0.	-172.	-528.
29	FCMCDS	DISTIL	0.	-0.031	0.	0.024	0.06	-11.	22.	5.	8.	57.	14.	0.42	43.	0.	-38.	-178.
33	FCMCDS	DISTIL	0.	-0.059	0.	0.041	0.03	-45.	4.	-0.	-13.	59.	6.	0.48	325.	0.	-80.	-119.
ALL	FCMCDS	DISTIL	0.	-0.687	0.	0.400	0.08	-245.	93.	33.	115.	727.	150.	0.45	147.	0.	-2533.	-3335.